Catalog 09 Volume 11

2009

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KEYSTONE

PRECISION INSTRUMENTS

Your survey and construction equipment provider, integrator and specialist with locations in Pennsylvania, Maryland, Massachusetts and New York

KEYSTONE PRECISION INSTRUMENTS

Welcome to Keystone Precision Instruments

We at Keystone Precision Instruments take pride in offering the latest in technology for today's marketplace whether it be in surveying, construction or engineering. Our experienced and professional staff are dedicated to helping you gain a competitive edge to succeed in today's business environment.

Your support of Keystone Precision Instruments is appreciated and we look forward to meeting your future needs. We welcome your comments.

Thank you.

Keith Border

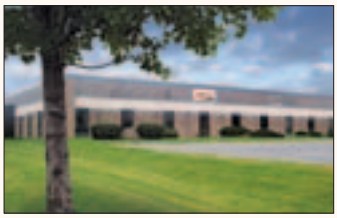
President

HOME OFFICE (PENNSYLVANIA)

MARYLAND OFFICE

NEW ENGLAND OFFICE

NEW YORK OFFICE



Keystone offers Wood Survey Stakes – Quality hardwood stakes

WS4811	48″ x 1″ x 1″	50 per Bundle.....	**$31.30**
WS3611	36″ x 1″ x 1″	50 per Bundle.....	**$28.80**
WS3621	36″ x 2″ x 1″	25 per Bundle.....	**$17.80**
WHUB8	8″ x 2″ x 2″	50 per Bag	**$24.90**
WHUB12	12″ x 2″ x 2″	50 per Bag	**$26.85**

For Pickup or local delivery only!

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VISIT US AT ONE OF OUR FOUR CONVENIENT LOCATIONS:

ALLENTOWN, PA
CROFTON, MD
MILFORD, MA
EAST SYRACUSE, NY

DTM/NPL-502 Series Total Stations

- Angle Accuracy of 3″
- High Speed & High Precision EDM
- Unmatched Nikon Optics
- Large, Easily Navigated Keyboard
- Dual Axis Compensation
- 10,000 Point Onboard Storage Capacity
- The Most Popular Total Station in its Class!

Please call for your individualized quote based on configuration.

Starting List Price at…
$8495.00

DTM-522 6601482
NPL-522 HQA435UU
(NPL model is prismless)

NPR-302 Prismless Total Station Series

- 3″ Angle Accuracy for NPR-362
  5″ Angle Accuracy for NPR-352/332
- Exclusive “Focused Beam” EDM
- Measure 300 Meters wothout a Prism
- Over 15,000′ to a Single Prism
- Large, Easily Navigated Keyboard
- Dual Axis Compensation NPR-352/362
- Single Axis Compensation NPR-332
- 10,000 Point Onboard Storage Capacity

Starting List Price at…
$7495.00

NPR-362 HQA190UU
NPR-352 HQA170UU
NPR-332 HQA180UU

Please call for your individualized quote based on configuration.

DTM-302 Total Station Series

- 3″/5″ Angle Accuracy
- High Speed & High Precision EDM
- Over 6500′ to a Single Prism
- Unmatched 33x Nikon Optics
- Rugged IPX6 Waterproof Construction
- Large, Easily Navigated Keyboard

Dual Axis Compensation (DTM-362) HQA455US
Dual Axis Compensation (DTM-352) 6601882
Single Axis Compensation (DTM-332) 6601883

Starting List Price at… $6495.00
Please call for your individualized quote based on configuration.

6601821 Nikon BC-65 On-Board Ni-MH Battery for DTM/NPR/NPL-302 Series
LIST PRICE $322.00 **CALL FOR PRICE**

6601850 Nikon BC-80 Clip-on Ni-MH Battery for DTM/NPL-500/600 Series
LIST PRICE $436.00 **CALL FOR PRICE**

HXE21202 Nikon Universal Total Station Charger for BC80/65/60 Batteries
LIST PRICE $140.00 **CALL FOR PRICE**

HXE21203 Nikon Input Cord and Adapters for HXE21202 Charger
LIST PRICE $35.00 **CALL FOR PRICE**

NIKON Optical Plummet Tribrach – HWB20002

Quality NIKON Optical Plummet Tribrach 3X, Adjustable Focusing Range- o.5m/1.6 ft. to infinity. Base plate of 5/8 x 11 threads and circular level vial with sensitivity of 10′/2mm. (Note instruments come standard w/non-optical plummet tribrach).

LIST PRICE $590.00 **SALE $495.00**

For other Nikon Instrument Accessories Please Call for Part Numbers and Costs.

DTM/NPL– 602 Series Total Stations

- *Angle Accuracy: 1″ DTM-652; 2″ NPL-632*
- *Full Numeric Keyboard, Dual sided*
- *Graphic LCD Display, Dual Sided*
- *Distance Range –*
  DTM-652: 8900′ to single prism
  NPL-632: 16,400′ to single prism / 680′ Reflectorless
- *Accuracy –*
  DTM-652: 2mm + 2ppm
  NPL-632: 3mm + 2ppm (prism & reflectorless)
- *Internal memory of 10,000 records*
- *Dual Axis Compensation*
- *Powerful, High Performance Total Stations*

DTM–652 HQA660UU

NPL–632 HQA680UU

STARTING LIST PRICE
$10,995.00

Please call for your individualized quote based on configuration.

Nikon NE-101 and NE-100 7″ & 10″ Theodolites

Nikon Electronic Theodolites feature exceptional reliability and ease of use for general construction needs.

Affordable and featuring Nikon quality, these instruments are ideal for concrete form alignment, anchor bolt positioning, steel column erection and more!!! The theodolites enable a number of positioning techniques: 90 degree layout, checking angles, alignment and plumb, as well as short range grade work and leveling.

Features

- *Large display and keyboard for easy use*
- *Angle accuracy of 7″ NE-101(Displays to 5/10″), 10″ NE-100 (Displays to 10/20″)*
- *22 hour battery life on AA Alkalines*
- *Superior Nikon optics*
- *30X Telescope/Stadia*
- *Water and Dust resistant*
- *2.2X Optical Plummet*

HRA73100	NE-101 7″ Theodolite	List Price $2395.00
HRA74100	NE-100 10″ Theodolite	List Price $2195.00
HED14001	Diagonal eyepiece for NE -101/100	List Price $370.00

Please Call For Sale Price

When was the last time you had your instrument cleaned and calibrated? Call our repair department to make an appointment today, and be sure to ask about our "Rental Pending Repair Program!"

Nikon Automatic Levels

Great optics, great quality, easy to use instruments at affordable prices make the Nikon Automatic Levels preferred by surveyors or contractors regardless of the conditions.

LIST PRICE $1830.00
CALL FOR SALE PRICE!

LIST PRICE $1400.00
CALL FOR SALE PRICE!

AS-2C 34x Auto Level (#6151111)

- Nitrogen Filled & Sealed Optics
- Waterproof
- Wire Hung & Air Dampened Compensator
- +/-0.8mm Std. Dev. In 1 KM Double Run
- With Circle

LIST PRICE $465.00
CALL FOR SALE PRICE!

AE-7C 30x Auto Level (#6152111)

- Nitrogen Filled & Sealed Optics
- Waterproof
- Wire Hung & Air Dampened Compensator
- +/- 1mm Std. Dev. In 1 KM Double Run
- With Circle

LIST PRICE $705.00
CALL FOR SALE PRICE!

AC-2S 24x Auto Level (#6154240)

- Nitrogen Filled & Sealed Optics
- Wire Hung & Air Dampened Compensator
- With Circle and Stadia
- Ideal for Contractors and Builders.

AP-8 28x Auto Level (#6153120)

- Nitrogen Filled & Sealed Optics
- Wire Hung & Air Dampened Compensator
- With Circle and Stadia
- Ideal for Contractors and Builders.

Ask for information on NIKON Instruments / Accessories eligible for Special Purchase Program

Trimble® S6 Total Station

Trimble

Acquire the Trimble S6 with the functionality you need today, and upgrade seamlessly as your business needs expand. All components of the Trimble S6 system support your upgrade path, from the instrument to the field software. You can start with a Servo only instrument, expand into Autolock, and then explode into a full Robotic... protecting your investment all the way.

Great for Topographic surveying, stakeout, roading and control.

Features:

- Multitrack to conventional prisms
- Coaxial Optics, EDM, Tracker, Laser Pointer
- Magdrive Servo Technology
- Servo Focus
- Surepoint Accuracy Assurance
- Internal Smart Battery
- DR Technology
- Face 2 Display
- Target ID
- Full Vertical Operation
- Upgradeable Capability

Specs:

- 1,2,3,5 second angle accuracy available
- Dual Axis Compensator
- 8200 ft. to single prism
- 984 ft in DR mode KGC-18%
- Rotation speed 115 degrees per second
- Endless Clamps and Slow Motions
- One battery 6 hr life
- AND MORE!!!!

Choose your Trimble Controller

Trimble controllers provide a single, easy to use interface for all your tasks and all your instruments, including GPS. Each controller's Windows CE.Net operating system is familiar and easy to learn.

Especially designed for use with the Trimble S6/S8 and the latest Trimble GPS Systems

The extremely rugged Trimble CU and TSC2 controllers offer the latest innovations:

- **Advanced communication technologies for greater field efficiency** – Easily send and receive files by e-mail and via the internet using an external cellular modem. Bluetooth® technology provides cable free communication.
- **Advanced graphic display** – The color touch screen makes software navigation quick and easy and the graphic display gives real time feedback. Upload a 3D design file to the controller and enjoy the flexibility to adapt your work to changing site conditions. The illuminated TFT display and keyboard are very easy to use.
- **Control using all your senses** – Apply all your senses when controlling a survey – hear audio feedback in real time and record voice messages in the field.

For more information and pricing on the various Trimble S6 Total Station packages please call Keystone precision Instruments at 1-800-833-9250 and we will be glad to assist you with your needs.

TSC2 offers a handheld factor and an integrated 2.4 GHz radio for robotic operation with S6/S8.

Trimble® S8 Total Station

Trimble

Based on Trimble's latest total station platform the S8 is Trimble's most advanced Autolock and Robotic total station. It's designed to deliver unsurpassed performance and productivity in land surveying and specialized engineering applications, such as monitoring and tunneling.

The Trimble S8 total station works with Trimble Survey Controller field software and Trimble 4D Control processing software to provide a seamlessly connected, complete solution for engineering jobs. With 1″ angular accuracy and EDM precision of 1mm + 1ppm, the S8 is equipped with unique features to support engineering jobs including:

- **Trimble FineLock technology** – Finelock Technology is a smart tracker sensor with a narrow field of view that enables the Trimble S8 to detect a target without interference from surrounding prisms. This feature makes the mounting of prisms more flexible and offers reliable accuracy.
- 10 Hz high speed synchronized data output makes data collection in dynamic applications faster and more accurate.
- **Trimble Survey Controller Software – Engineering Module** – allows survey firms to broaden their offering to engineering applications.
- **Trimble 4D Software** – Postprocessing software designed for engineering applications, including monitoring and the ability to determine movement over a period of time.

Call for pricing and additional information on the S8

Trimble® 5600 Series Total Stations–

Offers a choice of DR Technology – options for short range and interior work or for long range outdoor work. The DR200+ leaves all other reflectorless EDM solutions far behind with a range up to 1968 feet. The extra long range DR300+ option extends range up to 50% to everyday objects.

Features:

- Eye safe technology and can be used in open public areas.
- Fast measurement time.
- Windows based ACU controller or TSC2 Survey Controller packages for collection.
- Completely upgradeable total station – Servo to Autolock to Full Robotics
- 360 degree Active target with choice of active target providing operating ranges of 1000 to 3000 ft.
- And More!!!!

Robotic Remote-Control Features

If you are using a robotic total station, the ACU controller and Trimble Survey Controller software package offer many special features including:

SET-UP SEARCH WINDOW – Re-centers with prism position at each observation.

JOYSTICK MODE – Combined with Tracklight®, makes directing the instrument to a new location much easier.

TURN-TO-MAP-POSITION FEATURE – Tap on current survey or background map to turn to a specific position directly.

DEFINED DISTANCE – Bypass obstructions and reacquire lock by telling system how far you have moved horizontally or vertically.

MEASURE WITH DR – Suspend Tracker and measure with DR to precisely position corners or difficult objects.

Revolutionary Reflectorless Technology

Trimble's 5600 Total Station, with its unique eye-safe DR pulsed laser technology, can make reflectorless measurements with 3 mm + 3 ppm accuracy, even up to 800 meters (2,625 feet) away! Additionally, the target can be obliquely orientated and still return an accurate measurement. So now you can measure inaccessible objects like building faces or overhead wires without moving an inch, and without another crew member to hold a reflector.

Call for pricing and additional information on the various 5600 packages

Sokkia Series 30R Reflectorless Total Stations with Bluetooth

Pinpoint precision with the convenience of Bluetooth

This series is able to do pinpoint, high accuracy measurements at locations that are difficult to reach. Measurements to corners of objects, high voltage electricity wires and a building face survey are examples of the precision this series can offer, all with the convenience of Bluetooth wireless technology.

SOKKIA

655022	Set230R 2″ Reflectorless Total Station w/ Bluetooth . . .	List $10,025.00	***CALL FOR PRICE QUOTE And Additional Information***
655023	Set330R 3″ Reflectorless Total Station w/ Bluetooth . . .	List $8740.00	
655025	Set530R 5″ Reflectorless Total Station w/ Bluetooth . . .	List $7450.00	

Sokkia B21 30x Auto Level (#738160)

The B21 automatic level features rapid and easy set up, a reliable automatic compensator, stadia, convenient horizontal angle measurement and easy adjustment. A rugged, easy to use design, resistant to rain (IPX4 spec), and great against shock,vibration and other environmental conditions

LIST PRICE $1425.00 **CALL FOR SALE PRICE!**

SOKKIA

C Series Auto Levels from Sokkia –

Compact, Versatile and Easy to Use Auto levels from Sokkia

Each level is easy to set up, simple to sight and resistant to vibration, shock and other environmental conditions. Meet IPX4 specifications for waterproofing. Complete w/ stadia, short 1 foot minimum focus for use in confined locations and bright, clear optics. Horizontal circle with all models – 1 degree reading. Magnetic dampening system for the compensator to ensure stability and accuracy along the horizontal line of sight. Endless drive horizontal fine motion. Standard 5/8 x 11 for tripod. Weight is approximately 4 lbs. Come with case, lens cap, vinyl cover, tool kit and operator's manual.

738522	C22 Auto Level 22X . . .	List $485.00	**CALL FOR SALE PRICE!**
738524	C24 Auto Level 24X . . .	List $675.00	
738526	C26 Auto Level 26X . . .	List $825.00	

SOKKIA

Call for Great Sale Prices on all Sokkia Auto Levels!!

Construction Positioning Systems

Trimble offers a portfolio of construction positioning solutions specifically designed to meet construction layout and measurement needs. Whether the projects are commercial or residential, these powerful tools let you take control so you can perform your layout tasks more efficiently.

These easy to use construction products offer outstanding features – fast, flexible, accurate and cost effective – and share many of the same benefits.

Products include –

- *Nomad LM80-80 Layout Manager*
- *SPS710/610 Robotic Total Stations*
- *5605 Robotic and Servo Total Stations*
- *TS515/TS415 Mechanical Total Stations*

These Trimble products allow you to do –

- **Layout of Control Points –** Handle control points – on or offset to construction lines – faster and more cost effectively than using a third party.
- **Layout of Excavation Lines –** Layout all lines from one reference location with no string lines, transits or theodolites. No need to set up over each control point making the systems much faster and easier to use.
- **Checking or Tying into Property Boundaries –** Forget using tapes or a third party when tying into boundaries by using the LM80-80 to make minor adjustments to the building position as needed without waiting or paying large fees.
- **Layout of Concrete Forms and Anchor Bolts –** Layout by tying into any two control points. The application software makes this process simple even for even novice users.
- **As-Built Checks –** Check reference lines and dimensions faster, easier and more precisely. Direct reflex capabilities even allow one person operation on As-Built checks.
- **Layout of Control Lines on Concrete Pad for Subcontactor Use –** Faster and more accurate than with tapes and optical products. Easy to work around obstructions and there's no need to set up on each line.
- **Light Topographical Measurements –** For applications such as cut/fill. Increase your speed and cut costs by measuring in 3D.
- **Nomad LM80-80 –** Allows you to enter blueprint dimensions into LM80 to build a digital replica of your project and a portable reference of your project. Use with your total station making it ready for the building layout based on your blueprint. Will graphically guide you through your building layout.

Nomad LM80-80 Layout Manager

***The SPS710 and SPS610 Robotic Total Stations** are designed specifically for the construction market and offer easy, one-person operation for all yourlayout needs.*

***5605 Series –** lets you work 80% more efficiently during layout with one less person for increased productivity and cost savings. (Servo allows for 30% more efficiency)*

***TS515/415 Series –** Feature large graphical displays and alphanumeric keypads. On board programs let you quickly enter information for efficient equipment use.*

For your ability to work more independently with greater control of your projects choose the Trimble Construction Positioning System that best meets your needs. Please call for more information and a demo of these Trimble products.

David White LT8-300LTU Line Transfer Unit

Indispensable instrument for use in pipe laying applications.
Can be used with all pipe laying lasers or as a transit level.

David White

LT8-300LTU

LIFETIME WARRANTY

Features:

- 360 degree telescope rotation allows user to see directly below instrument
- 26X Telescope/Range 400 ft.
- Five Minute Horizontal Circle/ Featuring Circle Lock
- Glass Reticle w/ Stadia ratio of 1:100
- Plate vial for rough leveling
- Comes complete w/ case, adapter for use w/ 5/8 x 11 tripod, rain hood, lens cap and manual.

448877 LT8-300LTU Line Transfer Unit. . . . List Price $1133.00 **SALE $975.00**

LT6-900

LIFETIME WARRANTY

David White LT6-900 Meridian Level Transit

Made for light construction jobs. Ruggedly built, handles both horizontal and vertical applications.

Features:

- Graduated circle reads to single degrees and 1/4 degree (15 minutes) by vernier.
- Range up to 200 ft./Accuracy 1/4″ at 75 ft.
- Horizontal and vertical tangent and clamp screws
- Reliable lock lever when used as level
- Built in sunshade and precision lenses for clear, accurate sighting
- Comes w/case, plumb bob and manual

448834 LT6-900 Meridian Level Transit. . . . . List Price $495.00 **SALE $395.00**

David White LT8-300LP Level Transit

Great for practically every horizontal and vertical sighting application in construction.
Rugged and dependable.

LT8-300LP

LIFETIME WARRANTY

Features:

- 26X Telescope/Range 400 ft.
- Minimum Focus 6´
- Five Minute Circle
- Solid 3 piece standard/Wide Stance Ball Bearing Center for smooth movement
- Top mounted vial
- Laser Plummet
- Comes complete w/case, plumb bob, sunshade, rain hood, lens cap and manual

448872 LT8-300LP Level Transit. . . . . List Price $1050.00 **SALE $915.00**

David White

CST Digital Theodolite

Instantly read horizontal and vertical angles in numbers; no verniers to align or lines to match! So simple to operate, anyone at a construction site can use it without special training.

An electronic transit with a 10 second digital readout, the DGT-10 measures horizontal and vertical angles using a capacitive current detection system. Key operation is very simple and all angle readings are displayed digitally on an LCD window. The telescope optics produce a bright, erect, 30X image. This instrument also comes complete with a 3X optical plummet that produces an extremely bright, clear image. 5/8″ x 11″ mounting thread. ***One year warranty.***

FEATURES:

- 5 second vertical and 10 second horizontal angular readout
- Dual sided liquid crystal display (LCD)
- Built-in display and crosshair illuminator for low light conditions
- Clockwise or counterclockwise horizontal angle measurement options
- Vertical angle measuring; offers three options plus percent grade
- 3 automatic power shut-off options: none, 20 min., or 30 min.
- Optical plummet
- Zero resetting
- Single action attachable and detachable built-in battery pack
- Vertical and horizontal readings shown on one big screen
- Sealed construction
- Includes hard-shell carrying case, manual, and accessories

56-DGT10 Digital Theodolite/Transit (*Standard color for the DGT-10 is yellow)…* **SALE $1295.00**

Trimble DiNi Digital Levels

The Trimble DiNi Digital Level is a digital height measurement sensor designed for any job site where fast and accurate height determination is required. Use the Trimble DiNi for applications such as precise leveling of flat and sloping surfaces, establishing the vertical component of grade and grade profiles, subsidence monitoring and establishing the vertical component of control networks.

KEY FEATURES:

- Determine accurate height information 60% faster than with automatic leveling
- Eliminate errors and reduce rework with digital readings
- Transfer data to the office easily
- Measure to a field of just 30cm

The easy to use and accurate Trimble DiNi offers numerous features to maximize your productivity in the field. Available in two models – DiNi 0.3 mm per km or DiNi 0.7 mm per km. For more information on the DiNi Digital Levels please call and request.

Comes with a selection of bar code rods to choose from too.

Call for Sale Price

CST PAL Series Automatic Levels

CST

FEATURES:

- Magnetically dampened, wire-hung compensator for optimum range and accuracy
- Compensator lock protects instrument during transport or storage; also acts as a handy compensator checking tool
- Large effective aperture and minimum focus of 1 foot (0.3m)
- Top-mounted optical peep-sight for quick reference
- Large, easy-to-use precise focusing knob
- Easy-to-read horizontal circle
- Right angle prism for easy bubble viewing
- Sealed, dust-protected leveling screws
- Water-resistant, sealed construction plus sunshade for use in various weather conditions
- Fine motion knobs on left and right sides with friction-braked rotation, endless horizontal drive
- 1:100 stadia for distance estimation
- 5/8″ x 11″ threads to fit standard tripods
- Available in 360 degrees or 400 gons; please specify
- Includes hardshell carrying case with dual latches, lens cover, plumb bob, Allen wrench, adjusting pin, and manual

5 Year Warranty

PAL SPECIFICATIONS	PAL 22	PAL 26
Magnification	22X	26X
Leveling Accuracy	3/32″@150′	1/16″@200′
Working Range	250′ (76m)	325′ (99m)
Angular Accuracy	1°/1 gon	1°/1 gon
Clear Objective Aperture	36mm	40mm
Compensator Setting Accuracy	±0.8″	±0.5″
Standard Deviation for lkm Double-Run Leveling	2.0mm	1.5mm

55PAL22ND..... **Sale $265.00**

55PAL26ND..... **Sale $298.00**

David White Hand Level Sight Mark 2

2 1/2x Sight Mark 2 Hand Level with stadia and leather case.

1755021 Sight Mark 2 Hand Level
List Price $85.00
SALE $77.50

David White®

David White Auto Level Model AL8-32

Features – A larger aperture allowing more light for a sharper image, Wire hung magnetically dampened compensator, sighting scope and bubble built into the housing, soft easy to grip control knobs, infinite tangent screw, horizontal circle, 32X scope, Lifetime Warranty, case and more.

458932 32X David White Auto Level . . . . . .
List Price $580.00 **SALE $439.50**

Tripod Data Systems™ – The Way To Go

Tripod Data Systems (TDS) is the way to go for rugged handheld mobile computers and related software. Available in a number of platforms, TDS product is designed for extreme outdoor and industrial environments. All the handheld products listed below meet military specifications for drop, vibration, immersion and extreme temperatures.

TDS Ranger 300X/500X Series

Features the Windows Mobile™ 5.0 operating system, an ergonomic keypad and military grade durability. Wireless capabilities let you connect without cable. Comes in three models – 300X, 300NX and 500X series. 300X has a 312 MHz processor with 64 MB of SDRAM and 256 MB of on-board flash and integrated Bluetooth, while the 500X has a 520 processor with 128 MB of SDRAM and 512 MB of on-board Flash and integrated Bluetooth. Ranger gives you an option for integrated 802.11 wireless on the 500X. Ranger has USB host and client ports. CompactFlash and Secure digital slots let you add multiple accessories and increase data storage (Not available on the 300NX Series).

Standard accessories include–

- AC Charger
- Rechargeable PowerBoot Module™
- Hand strap
- Screen protectors, pkg. of 2
- Two stylus pens
- USB interface cable
- Nylon carry case
- Stylus lanyard
- Companion CD with ActivSync and Outlook 2002
- Survey Pro™ User's Manual
- Ranger getting started guide.

Software options on the Ranger are–

- Basic GPS
- Survey Standard
- Survey Pro
- Survey Pro Robotics
- Survey Pro GPS
- Survey Pro Max (GPS/Robotics)

30 Models to choose from – Advise the configuration you would like and we will be glad to QUOTE you a price!!!

TDS Nomad 800B/800L Series

The Nomad is extremely rugged, meeting rigorous MIL-STD-810F and IP67 standards for Dust and water. Features an 806 MHz processor, the Nomad also includes 128 MB of memory, a long life 5200 mAh lithium-ion battery, a daylight-readable full VGA display, integrated Bluetooth and easily accessible CF and SDIO ports under the top cap. All units come with Standard Windows Mobile™6.

Choose between the 800B and the 800L models, both of which come with numeric keypads. 880B has 512 MB of Flash storage and all the features listed above. The 800L has 1 GB of Flash storage, plus integrated 802.11g and integrated mapping grade software.

Standard accessories include–

- AC Charger
- Rechargeable battery pack
- Two screen protectors
- Stylus pen
- Stylus lanyard
- Hand strap
- USB data cable
- User's guide
- CD-ROM

Software options on the Nomad are–

- Basic GPS
- Survey Standard
- Survey Pro
- Survey Pro Robotic
- Survey Pro GPS
- Survey Pro Max (GPS/Robotics)

12 Models to choose from – Advise the configuration you would like and we will be glad to QUOTE you a price!!!

TDS Recon 400X/NX Series

The 400 X Series features Bluetooth, Improved touchscreen, Windows Mobile 5 operating system, Mobile programs, Flash data storage – 256 MB, integrated speaker and microphone. The 400NX is similar to the 400X except it does not have CompactFlash slots and has 128 MB of Flash RAM.

12 Models to choose from – Advise the configuration you would like and we will be glad to QUOTE you a price!!!

Standard accessories include–

- AC Charger
- Rechargeable PowerBoot™ module
- Two screen protectors
- Two stylus pens
- USB data cable
- Nylon carry case
- Start Guide
- Survey Pro user's manual
- Recon CD-ROM & TDS Works CD-ROM

Software options on the Recon are–

- Basic GPS
- Survey Standard
- Survey Pro
- Survey Pro Robotics
- Survey Pro GPS
- Survey Pro Max (GPS/Robotics).

Keystone Precision also keeps a full line of accessory items in stock for all the TDS Data Collector platforms, from batteries, chargers, screen protectors, cases, cables, etc. Just let us know what you need and we can quote you a cost and promptly ship out your order!

Trimble R8 GNSS – Future Ready Technology!

The Trimble® R8 GNSS System is a multi-channel, multi-frequency GNSS (Global Navigation Satellite System) receiver, antenna, and data-link radio combined in one compact unit.

The Trimble R8 combines advanced receiver technology and a proven system design to provide maximum accuracy and productivity.

For the latest in Trimble's future-ready GNSS technology accommodating signals broadcast by GPS as well as signals broadcast by Galileo and GLONASS satellite systems please ask to speak to our GPS experts at Keystone Precision Instruments.

Trimble R-TRACK Technology for Comprehensive GNSS Support

Powered by an enhanced RTK engine, Trimble R-Track technology supports the new GPS Modernization signals, L2C and the coming L5. As soon as they are transmitted, these new signals are capable of providing surveying professionals with real field benefits.

Proven System Design

From the powerful Trimble field software to the receiver itself, the Trimble R8 GNSS system's overall design has been tried, tested, and proven. As a rover it is rugged, lightweight and cable free for unsurpassed ergonomics in the field. As a base it is flexible and also cable free: use the Trimble R8 as a base or rover according to each job's needs.

Trimble

Trimble R6 GPS System

A Base Station and Rover Receiver for RTK GPS/GNSS Surveying

The Trimble® R6 GPS System is a multi-channel, multi-frequency GPS receiver, antenna, and data-link radio combined in one compact unit. An R-Track technology option provides GLONASS augmentation to the Trimble R6 GPS solution. Use the Trimble R6 for RTK or static surveying, or in a Trimble VRS™ infrastructure network. The Trimble R6 is ideal for multiple surveying applications, including topographic, cadastral, and stakeout.

TRIMBLE R-TRACK TECHNOLOGY

The Trimble R8 GNSS system contains Trimble R-Track technology, which is designed to take advantage of the latest GNSS signals. Trimble engineers have designed a receiver architecture that would evolve with the changing world of global Navigation. The Trimble R8 GNSS delivers maximum productivity to the professional surveyor utilizing both the modernized GPS L2C and L5 signals and GLONASS l1/2 signals. Both the Trimble R8 and R7 with R-Tracking technology will deliver improved tracking performance on satellites transmitting L2C. It also future proofs your investment in GNSS technology for years to come.

Trimble R6 GPS Pricing

R6201-50	Trimble R6 rover Kit No Radio.	***Call for Sale Price***
R6201-51-66	Trimble R6 rover Kit UHF	***Call for Sale Price***
R6200-90	Trimble R6 Base Station No Radio.	***Call for Sale Price***
R6200-91-66	Trimble R6 Base Station Rx	***Call for Sale Price***

KeyNetGPS www.keynetgps.com 800-833-9250

KeyNetGPS is designed to provide Surveying, Construction and Mapping professionals with true Network RTK solutions. It currently provides high-accuracy positioning in real time across Northern Virginia, Maryland, Washington DC, Delaware, Eastern Pennsylvania, New Jersey, Long Island, New York City, Connecticut, Rhode Island, Massachusetts, Vermont and New Hampshire. KetNetGPS provides the highest level of RTK performance achievable from a network of base stations. The results are centimeter accuracy and shorter initialization times

The largest Realtime Network in the Mid Atlantic and Northeast USA! From Virginia to Maine: **See current coverage map at http://vrs.keynetgps.com/**

112 Reference Stations as of November 2008

KeyNetGPS Advantages:

- Managed by Professional Land Surveyor Emerson "Butch" Bornman with 28 years experience as a Geodetic Surveyor with PA. D.O.T.
- Dedicated IT staff who monitor the network integrity and communicate with subscribers
- Two redundante servers with dedicated T1 connectivity, in PA. and MD. assuring connectivity in the event of power failure or internet problems
- Compatible with Trimble and most other GPS manufacture's
- A subscription with KeyNetGPS allows you to work through out the entire coverage area

Subscription Flexibility:

- Per Day — Per Month — Per Year
- Rent a Trimble GPS rover connected to the network

Trimble

GPS Antenna Tripods

Features a two meter collapsible center staff with twist locking mechanism that rotates 360 degrees to check calibration of plumbing with 10 minute vial, a removable 5/8 x 11 adapter and an onboard compass. Tripod legs and the pole are electrostatically powder painted and include replaceable points. Legs have quick release and twist lock mechanisms. Dual graduated and adjusts to three heights – 2m, 1.8m and 1.5m. Collapses to 50″. Aluminum hardware is anodized black. Weighs 15 lbs.

		SALE
85511900	Graduated Collapsible Tripod. . .	**$797.95**
85815400	GPS Antenna Tripod Bag.	**$75.95**
511910FLY	Hvy Dty Collapsible Tripod.	**$874.95**
815412ORG	Hvy Dty GPS Antenna Tripod Bag . . .	**$95.95**

GPS Rover Rod Wheels

Both wheels ideally suited for RTK profiling. Keeps the rover rod on the surface that you are measuring. Go over obstacles etc.

	SALE
855125053	
6″ GPS Rover Rod Wheel	**$73.50**
5125056	
20″ GPS Rover Rod Big Wheel . .	**$152.95**
(Requires top section of pole)	

Magnetic Mounts

Easy to use magnetic mount system adapters.

855114050

85511401

		SALE
85511401	Triple Mag Mount. . . .	**$229.50**
855114050	Single mag mount. . . .	**$55.90**

GPS Truck Door Bracket

This new bracket holds the GPS Pole to the door of your survey truck. Easy on and off non-damaging mount. Fits all midsize to full size trucks and SUVS. Door will open and close with bracket attached to the door. Holds all RTK and GPS type poles.

Great for checking grade, Topos, estimating RTK, surveying and site preparation.

511420FOR
Seco Truck Door Bracket . . . . . **SALE $549.95**

Std color Orange, Available in Yellow and Flo Yellow on request

Snap-Lock Rover Rods

Rod feature a one piece design and two locking systems for stability. The snap lock prevents slippage and the compression lock centers the telescopic inner pole and maintains straightness. Come with 40 minute vial.

512520FLYGT
Aluminum w/graduated outer pole in tenths **SALE $109.00**

512820
Carbon Fiber – not graduated **SALE $296.95**

512520FLYGT

Heavy Duty 2 Meter Snap-Lock System Bag

Bag holds a 2 meter Snap-Lock Pole and bipod or tripod connected. Made of tough Cordura material and Rhinotek ends. Full length zipper,full length shoulder strap and side pocket. Inside dimensions - 5.5″ x 56″

815102FLY
Heavy Duty 2 Meter Snap-Lock Bag **SALE $62.50**

GPS Rover Rods

Two meter rover rod. Has 40 minute circular vial, hand-grip and replaceable steel point. Have 5/8 x 11 male tip.

85512500	Aluminum.	**$87.50**
85512800	Carbon Fiber Rover Rod	**$282.50**

Cell Phone Pole Case

Secures your cell phone to any GPS survey pole. With its grippy Toughtek and straps, this pouch will not slip. Inside dimensions are 5 x 2.5 x 1.5 inches. Flo Yellow in color.

814322FLY Cell Phone Pole Case **SALE $13.50**

GPS Rover Rod Hard Shell Case

Stores 2 piece rover rod in this hard shell case. Inside Dimensions - 4 x 41 inches

816220BLK Hard Shell Rover Rod Case **SALE $82.50**

Productive, Accurate, Reliable

Whether you're managing assets, responding to outages or natural disasters, or conducting routine maintenance, a Trimble® Mapping & GIS system ensures you have current and accurate data for your GIS or asset management system. With the most up-to-date field data, you can be sure you're making the right decisions when managing your assets and resources. With leading-edge technology and streamlined workflows, Trimble solutions ensure your productivity by taking all the hassle out of GIS data collection. Trimble is renowned for integrating advanced GPS technology with rugged field hardware designed to work in all conditions and environments. And it doesn't stop there: Trimble's smart software solutions allow you to work directly with your existing GIS data and schemas, providing efficient workflows for productive data collection in the field. By offering integrated solutions with leading-edge innovation, Trimble ensures premier productivity and return on investment. For all your GIS data collection, maintenance and asset management, you can rely on Trimble for unparalleled accuracy and reliability.

Data Collection Solutions

Trimble

ASSET INVENTORY

When your organization needs a complete and accurate inventory of all its assets—street furniture, electric infrastructure, or natural resources—Trimble products have you covered. With field workflows optimized for efficient data collection, you'll save time and money. And because Trimble software solutions integrate tightly with the GIS database you can be confident that the data you collect is of immediate benefit for planning and decision-making.

INSPECTION AND SAMPLING

If legislation or policy requires you to re-locate existing assets for verification or reporting, or if your job requires you to take a sample or reading at the same place time after time, Trimble Mapping & GIS systems are on the mark. Combining superior GPS positioning technology with software optimized for navigation, you'll be able to work efficiently and with confidence.

AS-BUILT MAPPING

Trimble offers subfoot and decimeter-level positioning solutions that provide the accuracy required to map new infrastructure, such as roading, pipelines, underground cable and more, as and when they are installed. With high-accuracy in real time you can be sure of getting the accuracy you need for your as-built mapping requirements.

INCIDENT MAPPING

When you're responding to an outage or natural disaster, you need confidence that your equipment and your data won't let you down. Trimble field-rugged hardware is built to work in all conditions, with software and systems that are designed to be easy to learn and simple to use, so you can get the data and maps you need to respond to the situation quickly and effectively.

Superior Technology

WINDOWS MOBILE

Trimble handhelds run the industry-standard Windows Mobile® operating system, so you can choose the best software solution for your field requirements, whether off-the-shelf or purpose-built. The Windows Mobile operating system includes familiar Microsoft® software, including Word Mobile, Excel Mobile, and Outlook® Mobile, giving you all the tools you need for a seamless exchange of data between the field and the office.

FIELD-RUGGED HARDWARE

Trimble's product range includes field-rugged hardware that is designed and tested for the demanding field conditions you work in. As well as leading-edge screen technology designed for crisp and clear outdoor viewing, Trimble rugged solutions are built to cope with water, dirt, extreme temperatures, and all the real-world challenges you encounter every day. And because we know how valuable your data is, Trimble products aren't just tough on the outside: non-volatile storage keeps your data safe no matter what.

WORLD CLASS GNSS

For 25 years Trimble has been at the forefront of research and development in Global Navigation Satellite System (GNSS) technology—and you get the benefits. Trimble engineers are experts at integrating GPS capabilities with other technologies, including Beacon, OmniSTAR, and GLONASS receivers. Components are carefully shielded from interference, so you can be confident the data you are collecting is accurate and reliable.

ACCURACY OPTIONS

Trimble offers a range of products at different accuracy levels to meet the needs of your application as well as your budget. When accuracy is critical, Trimble's top-of-the-line systems provide subfoot (<30 cm) and decimeter (10 cm) accuracy in real time and after postprocessing. For productive and cost-effective data collection, Trimble provides systems at the submeter and 2–5 meter accuracy levels. Whatever the accuracy level your organization demands, Trimble delivers.

SMART SOFTWARE SOLUTIONS

Trimble software solutions allow seamless data flow between the field and your GIS or asset management system. What's more, Trimble field software is optimized for fast and efficient data collection, taking all the complexity out of your GPS fieldwork, and ensuring you get accurate and up-to-date data for your GIS.

CABLE-FREE CONNECTIVITY

Trimble boosts your productivity with advanced connectivity options such as:

- Integrated cellular modem technology for wireless access to enterprise data and networks, anywhere in the world
- Integrated Bluetooth® for cable-free connectivity to Bluetooth enabled devices, such as laser range-finders
- Integrated wireless LAN (802.11b/g) for wireless access to your organization's network or to public-access hot spots

HOW TO CHOOSE: To choose the components of a mapping and GIS system, first consider the accuracy level required by your GIS. Then determine whether your crews need real-time accuracy while in the field. Once you have decided on the field computer that meets your requirements, you can choose supported field and office software to suit your needs. Use the tables below to put together a system that's optimized for your working environment.

Trimble

Field Computers with GPS	GeoXH handheld 2008 series	GeoXT handheld 2008 series	GeoXM handheld 2008 series	Trimble Nomad series	Trimble Recon GPS XC edition	Juno SC handheld Juno SB handheld
Accuracy: post-processed	10 / <30 cm*	<1 m	1-3 m	3-5 m	3-5 m	3-5 m
Accuracy: real-time	10 / <30 cm*	<1 m	1-3 m	N/A	N/A	3-5 m
H-Star technology-capable	Yes	No	No	No	No	No
EVEREST multipath rejection	Yes	Yes	No	No	No	No
Integrated GPS and field computer	Yes	Yes	Yes	Yes	Yes	Yes
Integrated SBAS	Yes	Yes	Yes	No	No	Yes
Integrated beacon	Optional Bluetooth Beacon receiver	Optional Bluetooth Beacon receiver	Optional Bluetooth Beacon receiver	No	No	No
Integrated OmniSTAR	No	No	No	No	No	No
NMEA output	Yes*	Yes	Yes	Yes	Yes	Yes
RTCM input	Yes	Yes	Yes	No	No	No
Operating system	Windows Mobile 6	Windows Mobile 6	Windows Mobile 6	Windows Mobile 6	Windows Mobile 6	Windows Mobile 6.1
Processor	520 MHz XScale processor	520 MHz XScale processor	520 MHz XScale processor	806 MHz XScale processor	400 MHz XScale processor	533 MHz Samsung processor
Memory (RAM)	128 MB	128 MB	128 MB	128 MB	64 MB	128 MB
Screen size	8.9 cm / 3.5"	8.9 cm / 3.5"	8.9 cm / 3.5"	8.9 cm / 3.5"	8.9 cm / 3.5"	8.9 cm / 3.5"
Screen details	Portrait TFT color touch screen 480 x 640 pixels (VGA)	Portrait TFT color touch screen 480 x 640 pixels (VGA)	Portrait TFT color touch screen 480 x 640 pixels (VGA)	Portrait TFT color touch screen 480 x 640 pixels (VGA)	Portrait TFT color touch screen 240 x 320 pixels (QVGA)	Portrait TFT color touch screen 240 x 320 pixels (QVGA)
Data storage	1 GB	1 GB	1 GB	1 GB	256 MB	128 MB
CompactFlash slots	0	0	0	1	1	0
SD (Secure Digital) slots	1 (SD / SDHC)	1 (SD / SDHC)	1 (SD / SDHC)	1 (SD / SDIO)	0	1 (microSD / microSDHC)
Alphanumeric data entry	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition, option of either Numeric or PDA keypad	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition
Integrated Barcode scanner	No	No	No	No	No	No
Integrated Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes
Integrated wireless LAN	Yes	Yes	Yes	Yes	Yes	Yes
Integrated cellular modem	No	No	No	No	No	SC: Yes SB: No
Integrated camera	No	No	No	No	No	Yes
Weight	0.60 kg / 1.76 lbs	0.60 kg / 1.76 lbs	0.60 kg / 1.76 lbs	0.58 kg / 1.2 lbs	0.58 kg / 1.28 lbs	SC: .24 kg / 0.54 lbs SB: .23 kg / 0.52 lbs
Battery life	8.5 hours: Internal GPS, and backlight	10.5 hours: Internal GPS, and backlight	10.5 hours: Internal GPS, and backlight	13 hours	8 hours	8 hours: Internal GPS, and backlight
Ruggedness	Withstands 0.8 m / 2.6 ft drop	Withstands 0.8 m / 2.6 ft drop	Withstands 0.8 m / 2.6 ft drop	Withstands 1.2 m / 4 ft drop	Withstands 1.2 m / 4 ft drop	Durable, tumble tested 100 x 90cm (1.64 ft) drop
Environmental	Dust proof and resistant to heavy wind-driven rain per IP 65 standard	Dust proof and resistant to heavy wind-driven rain per IP 65 standard	Dust proof and resistant to heavy wind-driven rain per IP 65 standard	IP67 sealed against accidental immersion in water	IP67 sealed against accidental immersion in water	N/A
Operating temperature	-20 °C to 60 °C -4 °F to 140 °F	-20 °C to 60 °C -4 °F to 140 °F	-20 °C to 60 °C -4 °F to 140 °F	-30 °C to 60 °C -22 °F to 140 °F	-10 °C to 50 °C 14 °F to 122 °F	0 °C to 60 °C 32 °F to 140 °F

GPS Receivers	GPS Pathfinder ProXRT receiver	GPS Pathfinder ProXH receiver	GPS Pathfinder ProXT receiver	GPS Pathfinder XC receiver
Accuracy: post-processed	10 / 20 cm*	20 / <30 cm*	<1 m	2-5 m
Accuracy: real-time	10 / <30 cm*	<1 m	<1 m	N/A
H-Star technology-capable	Yes	Yes	No	No
GLONASS-capable	Yes (optional)	No	No	No
EVEREST multipath rejection	Yes	Yes	Yes	No
Integrated GPS receiver and antenna	No, Zephyr Model 2 antenna	Yes	Yes	Yes
Integrated SBAS	Yes	Yes	Yes	No
Integrated beacon	Optional Bluetooth Beacon receiver	Optional Bluetooth Beacon receiver	Optional Bluetooth Beacon receiver	No
Integrated OmniSTAR	Yes (VBS, XP, or HP capable)	No	No	No
NMEA output	No	Yes	Yes	Yes
RTCM input	Yes	Yes	Yes	No
Integrated Bluetooth	Yes (cabled connection for backpack configuration is recommended)	Yes	Yes	No
Weight	1.55 kg / 3.42 lbs: Includes GPS receiver and internal battery	0.53 kg / 1.16 lbs: Includes integrated GPS receiver, antenna, and battery	0.53 kg / 1.16 lbs: Includes integrated GPS receiver, antenna, and battery	34 g / 1.2 oz: Includes integrated GPS receiver and antenna
Battery life	13 hours	12 hours (8 hours with Zephyr antenna): Includes GPS and Bluetooth	12 hours: Includes GPS and Bluetooth	N/A: Powered by field computer
Ruggedness	Withstands 1 m / 3.28 ft drop	Withstands 1.22 m / 4 ft drop	Withstands 1.22 m / 4 ft drop	N/A
Environmental	IP67 for submersion to depth of 1 m / 3.28 ft	Wind driven rain and dust resistant to IP54 standard	Wind driven rain and dust resistant to IP54 standard	5 to 95 percent humidity, non-condensing
Operating temperature	-20 °C to 60 °C -4 °F to 140 °F	-20 °C to 60 °C -4 °F to 140 °F	-20 °C to 60 °C -4 °F to 140 °F	-10 °C to 50 °C 14 °F to 122 °F
	* Refer to datasheet for full details	* Refer to datasheet for full details		

Field Computers	Trimble Nomad 800B handheld	Trimble Recon handheld	Trimble Ranger handheld
Operating system	Windows Mobile 6	Windows Mobile 6	Windows Mobile 5.0
Processor	806 MHz Xscale processor	400 MHz XScale processor	516 MHz XScale processor
Memory (RAM)	128 MB	64 MB	128 MB
Screen size	8.9 cm / 3.5"	8.9 cm / 3.5"	8.7 cm / 3.8"
Screen details	Portrait TFT color touch screen 480 x 640 pixels (VGA)	Portrait TFT color touch screen 240 x 320 pixels (QVGA)	Landscape TFT color touch screen 320 x 240 pixels (QVGA)
Data storage	512 MB	256 MB	512 MB
CompactFlash slots	1	2	2
SD (Secure Digital) slots	1 (SD / SDIO)	0	1 (SD / SDIO)
Alphanumeric data entry	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition, option of either Numeric or PDA keypad	Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition	57 keys including full alphanumeric keypad and Soft input panel (SIP) on screen keyboard, Transcriber handwriting recognition
Integrated Bluetooth	Yes	Yes	Yes
Integrated Wireless LAN	No	Yes	Yes
Weight	0.56 kg / 1.23 lbs	0.49 kg / 1.31 lbs: Includes integrated battery	0.95 kg / 2.1 lbs: Includes integrated battery
Battery life	15 hours	12–16 hours with default display light settings	30 hours in normal use
Ruggedness	Withstands 1.2 m / 4 ft drop	Withstands 1.2 m / 4 ft drop	Withstands 1.2 m / 4 ft drop
Environmental	IP67 sealed against accidental immersion in water	IP67 sealed against accidental immersion in water	IP67 sealed against accidental immersion in water
Operating temperature	-30 °C to 60 °C -22 °F to 140 °F	-30 °C to 60 °C -22 °F to 140 °F	-30 °C to 60 °C -22 °F to 140 °F

Field Software	TerraSync Standard edition software	TerraSync Professional edition software	Trimble GPScorrect extension	Trimble GPS Analyst extension
Data collection	Yes	Yes	Yes	Yes
Data maintenance	No	Yes	Yes	Yes
Code phase data collection	Yes	Yes	Yes	Yes
H-Star data collection	Yes	Yes	Yes	Yes
Carrier phase data collection	Yes	Yes	No	No
RTK data collection	No	Yes	No	No
Navigation	Yes	Yes	No	Yes
Customization	No	No	Available via ESRI ArcPad	Available via ESRI ArcObjects
Data storage format	Trimble SSF	Trimble SSF	ESRI ArcPad Shapefile or AXF file and Trimble GPScorrect SSF	Personal Geodatabase
Field devices	Windows PC, Windows Mobile version 6, 5.0, and 2003 devices, including all current Trimble Mapping & GIS handhelds	Windows PC, Windows Mobile version 6, 5.0, and 2003 devices, including all current Trimble Mapping & GIS handhelds	ESRI ArcPad supported field devices, including all current Trimble Mapping & GIS handhelds	Windows PC
Supported GPS receivers	All current Trimble Mapping & GIS GPS receivers and handhelds	All current Trimble Mapping & GIS GPS receivers and handhelds, plus Trimble 5800, Trimble R8, and Trimble R8 GNSS receivers	All current Trimble Mapping & GIS GPS receivers and handhelds	GPS Pathfinder ProXT, ProXH, XB, and XC receivers, Trimble Recon GPS XB edition, Trimble Recon GPS XC edition, NMEA-compliant GPS receivers, and any GPS receiver with a supported driver that enables the receiver to work with the Trimble GPS Analyst extension
Coordinate system support	Latitude/Longitude (WGS 84), U.S. State Plane 27 (NADCON - Conus), U.S. State Plane 83 (NAD - Conus), UTM, and hundreds of additional systems are supported	Latitude/Longitude (WGS 84), U.S. State Plane 27 (NADCON - Conus), U.S. State Plane 83 (NAD - Conus), UTM, and hundreds of additional systems are supported	ESRI ArcPad projection engine	ESRI ArcGIS projection engine
External sensor support	No	Yes	No	No
Laser rangefinder support	No	Yes	Yes	No
IMU support	No	Yes	Yes	Yes
Background layers	No	MrSID (SID), JPEG (JPG) and JPEG2000 (JP2 and J2C), ECW, Bitmap (BMP), TIFF (TIF), ESRI Shapefile (SHP), Trimble SSF (SSF)	ESRI ArcPad supported vector and raster formats	ESRI ArcGIS supported vector and raster formats
Simultaneous feature collection	No	No	No	Yes
Offsets	Yes	Yes	Yes	Yes, for line and polygon features
Advanced GPS data symbology	No	No	No	Yes
Mission planning	Yes	Yes	Yes	Download from www.trimble.com/planningsoftware.shtml
VRS support	Yes	Yes	Yes	Yes

Office Software	GPS Pathfinder Office software	Trimble GPS Analyst extension
Differential correction	Code phase, carrier phase, and H-Star data processing	Code phase and H-Star data processing
ShapeCorrect	Yes	Yes
Batch processing	Yes	No
Coordinate system support	Latitude/Longitude (WGS 84), U.S. State Plane 27 (NADCON - Conus), U.S. State Plane 83 (NAD - Conus), UTM, and hundreds of additional systems are supported	ESRI ArcGIS projection engine
Data export	AutoCAD DXF, dBASE, ESRI Shapefile, MapInfo MIF, Microsoft Access MDB, MicroStation DGN, configurable ASCII, and additional formats are supported	Trimble SSF, Trimble Data Dictionary File (DDF), and additional export formats supported in ESRI ArcGIS software
Data import	AutoCAD DXF, dBASE, ESRI Shapefile, MapInfo MIF, Microsoft Access MDB	Trimble SSF, schema from Trimble DDF, ESRI ArcPad Shapefile or AXF file and Trimble GPScorrect SSF
Data dictionary creation	Yes	Create feature class schema
Data storage format	Trimble SSF	Personal Geodatabase
Customization	Automation interfaces from Differential Correction and Export utilities only	Available via ArcObjects
Map display/editing	Yes	ESRI ArcGIS map and editing engines
Advanced GPS data symbology	No	Yes
Feature rebuild	No	Yes
Feature validation	No	Yes
Mission planning	Download from www.trimble.com/planningsoftware.shtml	Download from www.trimble.com/planningsoftware.shtml
Field software support	TerraSync software (Standard or Professional), Trimble GPScorrect extension for ESRI ArcPad, and applications developed with the GPS Pathfinder Tools Software Development Kit (SDK)	Trimble GPS Analyst extension field tools, TerraSync software (Standard or Professional), Trimble GPScorrect extension for ESRI ArcPad, and applications developed with the GPS Pathfinder Tools Software Development Kit (SDK)

TruPulse 200 and 360 Laser Rangefinders

A great compliment for use with your Trimble GIS and data collection solutions. Applicable for use in GIS mapping, natural resources, surveying and other areas.

A lightweight tool with large, crystal clear optics with an in-scope data display and through-the-lens targeting help to eliminate parallax issues.

Models feature:

• Size – 5″x2″x3.5″ and weighs only 8 ounces • Data communication is serial, via wired RS232 (standard) or wireless Bluetooth (200B/360B models) • Approximately 7500 measurements based on configuration • IP54 environmental specs • Temp range from -4 degrees to +140 degrees F • Optics 7X magnification (field of view 330′ at a 1000 yds.) • Display is in scope LCD • units of measure are in yards, feet, meters and Degrees • Distance range 0-3280′; 6560′ to reflective target • Inclination +/- 90 degrees • Accuracy +/- 1 ft., high quality target or +/- 1 yd. to low quality target • measurement modes are horizontal distance, vertical distance, slope distance and inclination measurements • Advanced target modes: closest, farthest, continuous, filter (reflector only) and More.

For more details on the TruPulse 200/360 Laser Rangefinders please call and we will gladly answer your questions.

7005025	TruPulse 200	**$699.00**
7005030	TruPulse 200 w/Bluetooth	**$799.00**
7005530	TruPulse 360 w/Bluetooth	**$1695.00**

Call For Sale Price

LaserCraft Contour XLR Series

The Contour XLR series represents the latest in eye-safe laser range finding technology. This compact, lightweight unit is the ideal tool for reflectorless distance measurements. You simply point, shoot and instantly obtain accurate range measurement. The Contour's proprietary design gives you unsurpassed range performance for a handheld, highly accurate rangefinder.

Typical target range capabilities are:

- 175 m to an overhead cable
- 400 m to power/telephone poles
- 400 m to trees (no foliage)
- 800 m to buildings/trees (w/foliage)

All Contour units come equipped with a Head-Up Display (HUD) that allows the user to see the measurement value while still aiming! You'll find the HUD much easier to use than typical scope type sights. Combine the HUD with the Contour's continuously updated range reading and you have unsurpassed target identification accuracy.

XLRi	Lasercraft Contour XLRic w/Range, Inclination
XLRic	Lasercraft Contour XLRic w/Range, Inclination, Compass
LCCABLE	Lasercraft Contour to TSC1/TSCe Data Cable
LCCASE	Lasercraft Contour Hard Case (All Models)

LASERCRAFT

Call For Sale Price

Laser Technology Impulse Series

The Impulse's point-and-shoot operation and serial output communication combine to simplify a number of surveying and mapping tasks. These include: timber cruising, mine face profiling, GIS data capture, GPS offset mapping, material estimating for job bids, space planning, and general distance and height measurement.

The serial port outputs data directly to one of LTI's mapping software products or any one of your own. Get the measurements you need, accurately and economically, on Impulse.

7003824 Laser Technology Impulse 200LR Laser Rangefinder w/zoom scope

Call For Sale Price

SOME USEFUL GPS ACCESSORIES

85518700 Quick release Adapter – 5/8 x 11 adds 23.8 mm to length of rod…
SALE $26.95

85511100 Quick Disconnect Adapter adds 76.2 mm to length of rod *(Use with 85518700 Adapter)*…
SALE $59.95

5113012 Quick Release Tip – male 5/8x11 threads…
SALE $25.95

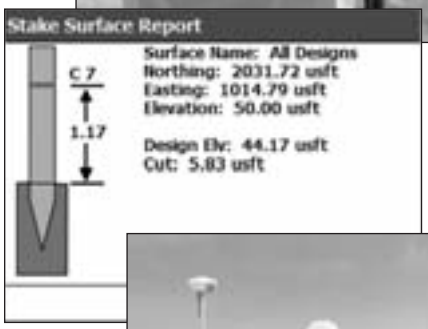
Satellite Stick XL Collapsible GIS/GPS 2-M Pole

Composed of six carbon fiber sections connected by an elastic shock cord – 1″ diameter pole. Collapses to length of 1.23′. Includes a 40 minute bubble, an elastic strap, a replaceable point and a carry bag 2.4 lbs. total *(Requires a D11145 Adapter to modify to 1.25″ diameter for a Data Collector)*

512610	Satellite Stick XL . . .	**SALE $249.95**
D11145	Adapter only	**SALE $4.95**

Please Call For Other Model Numbers and Configurations

TRIMBLE Site Positioning Systems



The new Trimble® Site Positioning Systems give the contactor in site preparation, heavy highway, mining, landfill and waste disposal the ability to quickly resolve problems onsite…and the flexibility to complete any task with the right equipment. From initial site measurement to final as-built checks, when you need site positioning equipment that is productive, easy to use and gets the job done right every time, Trimble Site Positioning Systems are your best choice.

Trimble Site Positioning System Applications

- ***Site Control Operations***
- ***Progress Volumes***
- ***General Site Measurements***
- ***Stakeout***
- ***Grade Checking***
- ***As-Built Site Measurement***
- ***Wireless communication capabilities increase workflow efficiency by providing real-time data transfer between office and jobsite.***

Trimble SCS900 Site Controller Software was designed from the ground up for contractors carrying out measurement and stakeout for earthworks, landfill cells, waste disposal and mining. This easy-to-use software helps you efficiently control and quantify site operations so you don't need to rely on a contract surveyor for site measurements and stakeout requirements. It is easy to learn and can be used with Trimble GPS or total station positioning equipment to maximize investment in both hardware and software systems.

Additional Features of SCS900 Include –

Real-time cut and fill maps • Digital plans in the field – eliminates rolls of paper plans • GPS position on the plan – immediately locate yourself on the map to interrogate the digital information from the plans • Query the data in the model, elevations, cuts/fills, distances, areas, material volumes and more.

Trimble SCS900 Site Controller software runs on either the TSC2 or TCU controller along with a tablet PC depending on your preference. The TSC2 is a handheld controller while the TCU is a clip-on controller. Both control units offer integrated Bluetooth technology and optional integrated 2.4GHz radios for cable free operation when working robotically with a total station. Large hard disk storage, configured with 512MB memory capacity, 128MB RAM, ultra-fast processors and support of external storage devices, such as two compact flash card slots on the TSC2 controller, means you will never run out of storage space or processor speed when working with large data files.

Total Stations for Site Positioning and Grade Control Operations

Now with Servo, Autolock, Robotic, DR Reflectorless and ATS modes of operation, the powerful Trimble SPS730 and SPS930 Universal Total Stations satisfy all site measurement, stakeout, reflectorless measurement and grade control needs – all from one highly accurate instrument.

Trimble

Taking the Guesswork Out of Earthworks

THE CONNECTED CONSTRUCTION SITE

An interesting thing happens when you connect your office, people and machines. Productivity jumps. Rework disappears. Cash flow improves. Profits soar. Only one company has the technology and experience to connect your site. The leader ... Trimble.

Performing earthworks smarter, faster and more profitably is critical to success in today's highly competitive construction industry. You need to perform all parts of the job faster and more accurately than ever before. From estimating to completion, Trimble's next-generation Grade Control Systems are truly revolutionizing the total construction process.

Fully Upgradeable

Trimble Grade Control Systems are flexible, fully upgradeable, and can be installed on machines from any manufacturer. Using the industry-standard Controller Area Network (CAN), you can easily add sensors and upgraded software to meet specific machine and application requirements. The upgradeable wiring harness is designed for plug-and-play flexibility, allowing you to upgrade the system from a single sensor control to a multi-functional GPS+GLONASS 3D solution.

Equip Your Entire Fleet

Whether you are using excavators for mass excavation, dozers or scrapers for bulk earthworks, motor graders for finished grading, or compactors for material density - the Trimble Grade Control Systems family has a solution to meet your needs. Our flexible and upgradeable GCS family can be installed on a wide range of machines—dozers, compactors, motor graders, scrapers, excavators and more. You can use a common platform across your entire fleet, while at the same time choose the best option for the machine and the application.

Trimble Ready™ Machines

Trimble has worked with leading machine manufacturers to reduce the effort required to install conventional and 3D grade control components. Today, Trimble Ready machines come pre-plumbed with wiring and brackets for common system configurations. This simplifies GCS installation and lets you easily move the system from one machine to another.

Trimble READY

Improves Your Productivity and Profitability

Trimble offers you the most complete line of Grade Control Systems. From laser or sonic based through to 3D, these rugged systems are easy to use, fully upgradeable and flexible enough to meet a wide range of application and jobsite requirements. Quite simply, there is no better solution to meet the challenges of today's schedules and budgets. Gain a competitive edge and streamline your operations with the next generation of grade control systems from Trimble, the company that invented grade control.

Faster Job Cycles

Spend more time being productive and less time waiting for surveying and grade checking. With site plan and grade information displayed in the cab, operators can finish jobs faster with minimal supervision—even in dusty, windy or dark conditions.

Flexible

Perform a wide range of work, from mass excavation through to finished grade, on both large and small jobs. Trimble machine control products are designed to adapt to a variety of machines and jobsite applications.

Lower Operating Costs

Getting the job done right the first time eliminates rework. With design information at your fingertips, the need for stakes, hubs or stringlines is reduced. Through improved productivity, personnel and machine costs are also reduced. Plus, accurate grading helps you carefully control material usage.

Return on Investment

Trimble Grade Control Systems quickly pay for themselves—often on the first project! Faster completion, less rework, less staking, less checking, lower costs, and improved material yields all add up to a stronger bottomline for your company.

Trimble

Conventional Grade Control Systems…

TRIMBLE GCS300 AND GCS400 APPLICATIONS:

- *Finished Grading*
- *Housing Pads*
- *Commercial Building Sites*
- *Sports Fields*

Trimble productivity-enhancing grade control systems are extremely scalable and can be configured for just about any machine or job.

Conventional systems begin with a single laser receiver system, and progress through combinations of laser receivers, sonic tracers, angle sensors and rotation sensors.

TRIMBLE GCS500 APPLICATIONS:

- *Road Maintenence*
- *Road Construction*
- *Sports Fileds*
- *Embankments*
- *Road Ditches*

Trimble GCS300 and GCS400 Grade Control Systems: Single or Dual Elevation Control

The Trimble GCS300 Grade Control System is a single control system that uses the LR410 Laser Receiver to control the lift of the machine blade. Ideal for smaller construction projects, it is an excellent first investment in grade control. The Trimble GCS400 Grade Control System is a dual-control system that controls both the lift and tilt of the blade by connecting two LR410 laser receivers or one LR410 and an AS400 Slope Sensor to the system. By controlling both functions, the GCS400 allows the operator to control the material more accurately, especially across larger jobsites. Easy to set up and use, the GCS300 and GCS400 are designed primarily for use on dozers; however, they can be used on other machines.

Trimble GCS500 Grade Control Systems: Cross-Slope Control

The Trimble GCS500 Grade Control System is a cross-slope control system designed to be used on motor graders for fine grading work. The system uses two AS400 angle sensors and an RS400 rotation sensor to calculate the cross-slope of the blade. The system allows the operator to select which side of the blade is controlled and switch sides on the return pass. Providing a high degree of flexibility, the AS400 has 100% slope capability making the system ideal for a wide range of applications, including cutting road slopes, ditches and embankments.

…For Unconventional Productivity.

TRIMBLE GCS600 APPLICATIONS:

- *Small-to-Large Housing and Building Site Pads*
- *Road Construction*
- *Highway Construction and Maintenence*
- *Runways*

All Trimble grade control components have been designed for ease of use, quick setup and extreme durability to ensure the highest uptime and longest life possible in jobsite conditions.

Trimble

TRIMBLE GCS600 FOR EXCAVATORS APPLICATIONS:

- *Mass Excavation*
- *Grading and Sub-surfaces*
- *Trenching, Ditch and Finished Slope Work*
- *Dredging*
- *Waterways*

Trimble GCS600 Grade Control System: Cross-Slope and Elevation Control

The Trimble GCS600 Grade Control System is a highly flexible cross-slope and elevation control system designed to be used on motor graders for fine grading work. As with the GCS500, the GCS600 uses two AS400 angle sensors and an RS400 rotation sensor to calculate the crossslope of either side of the blade; the GCS600 additionally uses an LR410 laser receiver or an ST400 sonic tracer to provide elevation control. Using the ST400, the system allows for stringline, previous pass, or curb and gutter tracing. Using one or two LR410 laser receivers, the system can be used for fine grading of plane surfaces. The GCS600 system is ideal for applications with tight tolerances and finished grade work.

Trimble GCS600 Grade Control System for Excavators

The Trimble GCS600 for Excavators is a depth and slope control system for excavation, trenching, grading and profile work. The system uses an AS300 Angle Sensor, AS310 Dual Axis Sensor and LC300 Laser Catcher to measure the relationship between the body, boom, stick and bucket to determine where the cutting edge is and should be, directing the operator to the desired depth and slope. Designed for both tracked and wheeled hydraulic excavators, it is ideal for earthmoving contractors looking for an economical and easy-to-use grade control system to improve their excavation productivity and profitability.

More Productivity for Every Machine and Every Job

From bulk earthmoving through grading to finished material compaction, Trimble has a 3D grade control solution for your machine type and application requirements. Just select the appropriate 3D sensor option—GPS+GLONASS with or without laser augmentation, or the Trimble SPS730 and

Mass Excavation

The Trimble GCS900 Grade Control System is ideal for bulk earthmoving applications such as land reclamation, dam and reservoir construction, new infrastructure projects, landfills and waste deposits.

With GCS900, design information and live cut/fill indications are displayed in the cab, allowing excavation to be done in a safer, stakeless environment - even at night. The system provides real-time information for monitoring avoidance zones and simultaneously collects as-built data as the machine cuts to grade. With these capabilities, operators can keep tighter control over safety issues and see precisely where dirt is being moved on site.

Used on a dozer, excavator or scraper, GCS900 allows even lesser skilled operators to work faster, more consistently, and with less rework.

IDEAL CONFIGURATIONS:

- *Trimble GCS900 with dual GPS on an excavator*
- *Trimble GCS900 with single GPS on a dozer*
- *Trimble GCS900 with dual GPS on a dozer*
- *Trimble GCS900 with single GPS on a scraper*

Grading

Using the Trimble GCS900 Grade Control System on a dozer or grader allows the operator to get to grade faster than ever, even with complex designs.

The on-board Trimble CB430 Control Box determines the position of each tip of the blade and compares it to the design elevation to compute cut or fill to grade. The cut/fill data is used to drive the valves for automatic blade control or is passed to in-cab lightbars that provide visual guidance to the operator.

Ideal for residential site prep and subdivision construction, single house pads or the entire neighborhood-project infrastructure can be constructed better and faster using GCS900.

IDEAL CONFIGURATIONS:

- *Trimble GCS900 with dual GPS on a dozer*
- *Trimble GCS900 with dual GPS on a grader*
- *Trimble GCS900 with the Universal Total Station on a dozer*
- *Trimble GCS900 with the Universal Total Station on a grader*

SPS930 Universal Total Stations—then use the same components across your entire fleet, through the life cycle of the project.

Compaction

Once grade is achieved, most earthworks projects require that sub-surface material is compacted to a target density for increased durability, stability, and load-bearing capacity. The Trimble CCS900 Compaction Control System enables the contractor to accurately control the compaction process, while reducing unnecessary passes that result in over compaction. The system achieves compaction density faster, more accurately, with less rework. The early detection of sub-surface material anomalies means that soft spots and hidden obstructions can be excavated and re-graded or compacted prior to the more costly phases of the construction process such as paving. Compaction results are recorded and stored for analysis and generation of documentation deliverables at the end of the project.

Finished Grade

The Trimble GCS900 Grade Control System allows the operator to achieve finished grade to millimeter accuracy with fewer passes. Trimble GCS900 is quite simply the market leading solution for fine-grading application. Used on motor graders and dozers, it is ideal for new road construction and widening, airport construction, fine grading for concrete pours and slab placement, and commercial site preparation requiring the highest accuracy. By maintaining tight tolerances every time, GCS900 results in higher quality work delivered to the client. Finished grade materials can be placed more accurately and in a shorter time period, keeping the material costs to a minimum and realizing better profits. With more confidence in the cost of operations and quicker completion to finished grade, the equipment owner is able to lower bids and gain more business in every phase of the project.

IDEAL CONFIGURATIONS:

- *Trimble CCS900 with the dual GPS on a compactor*
- *Trimble CCS900 with the single GPS on a compactor*

Trimble

IDEAL CONFIGURATIONS:

- *Trimble GCS900 with the Universal Total Station on a grader*
- *Trimble GCS900 with dual GPS and laser augmentation on a grader*
- *Trimble GCS900 with the Universal Total Station on a dozer*
- *Trimble GCS900 with dual GPS and laser augmentation on a dozer*

Flexible Sensor Options For All your Jobsite Requirements.

Trimble Sonic Tracers

The Trimble ST400 Sonic Tracer mounted to the blade of the motor grader uses a physical reference such as curb and gutter, stringline, existing or previous pass as an elevation reference. Using a sonic tracer, the system can match curves and accurately get to grade in fewer passes. This reduces operator fatigue, saves material and reduces the need for grade checkers.

Trimble Laser Receivers

The Trimble LR410 Laser Receiver is fully linear and has smooth corrections the full length of the receiver. It is mounted to a mast on the blade and connected to the machine hydraulics to control lift to an accuracy of 3-6 millimeters (0.01 to 0.02 feet). In auto mode, the system uses the LR410 grade information to automatically move the blade up or down to the on grade position.

Trimble CB410 Control Box for Excavators:

The Trimble CB410 Control Box has dual LED depth and slope indicators, a graphical backlit LCD display, and easy-to-operate toggle and pushbutton switches for fast, reliable setup and depth guidance. Used with the GCS600 for Excavators, the CB410 not only gives you a range of powerful features, but is specifically designed for unobstructed vision and excavator control.

Trimble CB420 Control Box: The control you need for improved productivity!

Featuring dual LED grade displays, a graphical backlit LCD display, easy-to-operate switches and pushbuttons, and the CB420 control box is upgradeable from the Trimble GCS300, through to the GCS600. Grade Control Systems. When used with the GCS500 and GCS600, the software provides the operator with a range of powerful features specifically designed for cross slope and blade elevation on motor graders.

Trimble CB430 Control Box: Graphical Display for Convent-ional and 3D Grade Control

Designed for use in harsh construction environments, the Trimble CB430 is a fully sealed, solid-state computing device with a large daylight readable graphical display and scratch resistant screen. Used with Trimble conventional or 3D Grade Control Systems, it is the most advanced in-cab control box on the market.

Trimble System	Description	Machine Applications	Positioning Components	Applications
TRIMBLE GCS300: SINGLE ELEVATION	Single-control system that uses a laser receiver to control the lift of the machine blade	Dozers Graders	Laser Laser receiver Control box	Small housing pads Small building sites Tennis courts Sports fields Finish grading
TRIMBLE GCS400: DUAL ELEVATION, OR ELEVATION AND BLADE SLOPE CONTROL	Dual-control system that controls both the lift and tilt of the machine blade	Dozers Graders	Laser 2 Laser receiver(s) -or- Laser receiver Slope sensor Control box	Medium/large housing pads Medium/large commercial building sites Road construction Sports fields Finish grading Material balancing Rough grading
TRIMBLE GCS500: CROSS-SLOPE CONTROL	Cross-slope control system designed to be used on motor graders for fine grading work	Graders	2 angle sensors Rotation sensor Control box	Road maintenance Road construction Sports fields Embankments Road ditches
TRIMBLE GCS600: CROSS-SLOPE AND ELEVATION CONTROL	Highly flexible cross-slope and elevation control system designed for fine grading work	Graders	2 angle sensors Rotation sensor Sonic Tracer -or- Laser receiver Control box	Small-to-large housing and building site pads Road construction Highway construction and maintenance Runways Embankments Road ditches
TRIMBLE GCS600: GRADE CONTROL SYSTEM FOR EXCAVATORS	Highly flexible system designed for excavation, trenching, grading and profile work	Excavators	Angle sensors Control box	Excavating basements, foundations and footers Flat bottom and simple slope trenching Flat and simple slope grading and embankments Profile excavation and canals or batters

TRIMBLE. The Leader in Grade Control Systems.

Trimble is focused on driving your productivity at all stages of the construction process. Here are just of few of the reasons why Trimble should be your productivity partner

Better Satellite Positioning Up Time

Trimble GPS+GLONASS systems are guided by the most powerful RTK engine on earth. Stronger signal acquisition from more satellites means you can run faster, longer and without interruptions and downtime.

Construction Tough

Trimble components have been designed to withstand the beating they can take on big machines and rough sites. More robust components mean less downtime and more productivity.

Finish Faster

Trimble positioning systems let you run at higher speeds without losing accuracy thanks to faster data transfer, fully linear receivers and faster valve response.

Two Antennas Are Better Than One

Trimble's patented dual GPS+GLONASS antenna system gives you exact course and blade position... not the estimated position.

Smart Productivity

Only Trimble offers the Smart GPS+GLONASS Antenna... an integrated GPS+GLONASS receiver and antenna designed to provide maximum portability, flexibility and accuracy.

Make Every Operator Great

The displays in Trimble Grade Control Systems are intuitive and simple to use... maximizing operator productivity.

Easier and Faster Set Up

Trimble systems set up easier and faster than zone systems, which means you can get the work started sooner.

Future Ready, Now

Trimble 3D grade control systems support modernized GPS and GLONASS signals and will track the GPS L5 signal when it becomes available. You won't have to invest in new systems to take advantage of the latest signal capabilities.

Trimble

Trimble Total Stations

Trimble SPS Series Universal Total Stations can be used for even greater accuracy when performing fine or finished grading, with blade guidance to 2-5 millimeters (0.007 to 0.016 feet).

Integrated Laser Receivers

When improved vertical accuracy is needed, the GPS+GLONASS systems can be enhanced with integrated laser receivers that can provide blade control to 3-6 millimeters (0.01 to 0.02 feet).

Trimble Smart GPS+GLONASS Antenna

It's "smart" because it contains an integrated GPS+GLONASS receiver, antenna, and isolation system all in a single, durable housing. It uses the advanced Trimble RTK engine for faster initialization times when satellite lock is lost and enhanced performance near obstructions.

Trimble 3D Control Box

Trimble's 3D control box comes with powerful software that puts the site plan in the cab. With a large, clear display and operator-defined view, it is the most advanced and easiest to use in the industry

Trimble System	Description	Machine Applications	Positioning Components	Applications
TRIMBLE GCS900: SINGLE GPS+GLONASS	Full 3D control system that measures the position and slope of the blade and compares that to design data	Dozers Graders Scrapers	Slope and rotation sensors Single Smart GPS+GLONASS Antenna Rugged on-machine radio Control box	Roads/highways -rough grading Large earthmoving projects - dams, reclamation, etc. Landfills/ waste deposits Commercial/residential site prep - pads, grading for large slabs, etc. Land reclamation projects
TRIMBLE GCS900: DUAL GPS+GLONASS	Full 3D control system that measures the exact position, very accurate cross slope, and heading of the blade	Dozers Graders Scrapers	Dual Smart GPS+GLONASS Antennas Control box Rugged on-machine radio	Roads/highways/railways - rough grading, complex designs Large earthmoving projects - dams, reclamation, etc. Landfills, waste deposits, projects with steep slopes Commercial/residential site prep - complex design Golf course construction
TRIMBLE GCS900: DUAL GPS+GLONASS FOR EXCAVATORS	Full 3D control system uses two GPS+GLONASS antennas and solid state angle sensors to measure the precise position of the tip of the bucket	Excavators	Angle sensors Dual Smart GPS+GLONASS Antennas Control box Rugged on-machine radio	Roads/highways - rough grading Large earthmoving projects - dams, reclamation, etc. Landfills, waste deposits Commercial/residential site prep - complex designs Underground utilities Break water construction
TRIMBLE GCS900: GPS+GLONASS WITH LASER AUGMENTATION	Single and dual GPS+GLONASS systems enhanced with laser augmentation to improve vertical accuracy for complex design surfaces such as super-elevation grading	Dozers Graders	Single or dual Smart GPS+GLONASS Antenna(s) Laser receiver Control box Rugged on-machine radio	Roads/highways/railways – rough, finished grading Airport construction – runways, tarmacs Commercial/residential site prep - complex designs, slabs, pads
TRIMBLE GCS900: UNIVERSAL TOTAL STATION	For applications requiring extreme accuracy, or for jobs where GPS is not the ideal solution because of overhead obstructions	Dozers Graders	Single on-machine active target Control box Rugged on-machine radio Universal Total Station	Roads/highways/railways – rough, fine grading Airport construction – runways, tarmacs Commercial/residential site prep - complex designs Subdivisions - pads, local infrastructure Golf course construction
TRIMBLE CCS900: GPS+GLONASS FOR COMPACTORS	3D compaction control system using single or dual smart GPS+GLONASS antennas that combines finished grade quality control and analysis with advanced compaction control and documentation.	Vibratory smooth drum and padfoot rollers	Slope sensor Single or dual Smart GPS+GLONASS Antenna Control box Rugged on-machine radio	Soil compaction for earthworks, embankments, dams, base/sub-base materials for roads, runways, rail, foundations Asphalt base course material

Easy to use Display Systems that pay for themselves

Spend less time walking the job site. And more time in the cab being productive.

By using laser-based grade display systems to guide the cutting edge to grade, you can speed up grading operations with more accuracy and more profits. In effect, the operator becomes an instant grade checker, optimizing machine time. The extremely rugged display systems from Spectra Precision® Laser are highly flexible, and can be used on a wide range of machines, including dozers, backhoes, scrapers, skid steers and excavators. Plus, dozers can be upgraded for automatic blade control with the addition of the CB25 control box and hydraulics package for even greater productivity.

Benefits:

- Increase machine productivity and accuracy
- Simplify your grading and excavating operations
- Reduce labor and wasted downtime waiting for grade checks
- Save material with improved accuracy

How it works

- The system is designed to provide visual guidance to machine operators for manual grading operations.
- A laser transmitter emits a rotating 360-degree beam of light that covers the work area.
- Depending on the transmitter, the laser beam can be either a flat plan for level work or tilted for grade work.
- The receiver is mounted above the machine's cutting edge on grading equipment or on the dipper arm of excavation equipment.
- A laser receiver is magnetically mounted to the machine, and clearly displays your grade status: on - above - below.
- The receiver is initially set on-grade to a known desired elevation or benchmark. As the blade or bucket is moved, the operator can see which direction to move the blade or bucket to get to on-grade.

LR30/LR50/LR60 give you the best in benefits and features

Versatility
Works with all rotating lasers.

360-Degree Reception
Use on all types of machinery for fast, no-hassle set-up.

Multiple Accuracy Choices
Match to your jobsite requirements – rough grading to final finishing.

Ultra-Bright LED with Green On-Grade
Easy to see in all light conditions.

Brightness Control
Select to match light conditions.

Out-of-Laser Beam Indication
Directs which way to move to get back in the beam. Selectable on or off.

Self-Contained
Allows quick mounting and is easily moved from machine to machine.

Long Battery Life
Keeps your machine working.

Automatic Shut-off
Conserves battery life when the receiver is not in use.

Power Options
Nickel Metal Hydride rechargeable batteries, optional Alkaline batteries, or a power cord that connects directly to the machine power. Low battery warning.

Heavy-Duty Clamps
Stainless steel no-slip clamps grip tightly to poles up to 50 millimeters (2 inches) diameter.

Waterproof
Designed to withstand all weather conditions. Durable polycarbonate and aluminum die cast housings stand up to tough construction environments. Internal isolating shock mounts protect the electronics.

Carrying Case
Slim design, protects the receivers during transport and holds accessories, spare batteries, and manuals.

Two-Year Warranty

Grade Display Receivers from Spectra Precision Laser

LR30 Grade Display Receiver

- For use on many types of grading and excavation equipment including dozers, backhoes, excavators and trenchers.
- Five channels of grade information plus directional out-of-beam indicators.
- Three selectable accuracies meets job tolerances from rough grading to final finishing.

Call for information and pricing on all of these Trimble Grade Control products.

LR50 Grade Display Receiver

- Built-in blade tilt indication helps the operator keep the blade level for increased production and accuracy. Can be programmed to match an existing or known grade for slope matching operations.
- Center On-grade provides an equal amount of grade information above and below on-grade. Use on dozers, graders, scrapers, and box blades.
- Built-in plumb indication for quick and accurate grade checking for backhoes and excavators.
- Offset On-grade provides more information above grade using the entire receiver for productive excavation.
- Up to six channels of grade information plus directional out-of-beam indicators.
- Three selectable accuracies for each ongrade location.
- Use as a stand-alone display receiver or combine with the CB25 control box to create affordable automatic blade control for dozers.

LR60 Grade Display Receiver

- Patented Angle Compensation for Excavation automatically calculates and corrects the grade display for the angle of the dipper arm.
- Check grade with the dipper arm extended or retracted up to 30 degrees.
- Plumb indication built in for quick and accurate grade checking for excavators and backhoes.
- Center On-grade for grading operations - use on dozers, graders, scrapers, box blades.
- Offset On-grade for productive excavation.
- Up to eight channels of grade information plus directional out-of-beam indicators.
- Four selectable accuracies for each on-grade location.
- Indicate or Automatic control.
- Use as a stand-alone display receiver or combine with the CB25 control box to create affordable automatic blade control for dozers.

Affordable Automatic Blade Control for Dozers

CB25 Control Box

For even greater gains in productivity for your dozer, combine your LR50 or LR60 display receiver with the cab-mounted Spectra Precision Laser CB25 Control Box for automatic blade control. Automatic blade control keeps your machines moving and operating at maximum speed... saving time, fuel, material and labor on every grading job.

CB25 Features:

- Proportional receivers and proportional hydraulic valves ensure maximum system accuracy and smooth, precise operation.
- Switch from automatic to manual control with the quick flip of one switch.
- Adjust system accuracy settings and hydraulic blade speed from the cab-mounted control box.
- Dynamic blade balancing is set during installation for smooth raise and lower response.
- The CB25 has 16 on-grade accuracy settings from 0 to 38 millimeters (0 to 1.5 inches). These provide optimum accuracy selections for various jobsite requirements.
- The CB25 works with proportional time, proportional current and proportional voltage hydraulic valves.

How it works

A laser receiver is mounted above the cutting edge of the blade. The Spectra Precision Laser CB25 control box and a hydraulic installation kit are tied into the machine's hydraulic system. Grade information from a rotating laser is processed and automatically directs the machine's hydraulics to maintain the blade elevation.

Trimble Paydirt Software for Construction Estimators

Paydirt provides you with tools that count. Now you can take off earthwork construction projects more quickly and accurately than ever before. Increase production, protect your profits and better your bottom line. Bid for every job that comes your way, but contract only those that will profit you the most.

Features and Benefits:

- *Cut and fill volumes for the entire site or individual areas.*
- *Concrete, asphalt, base and other selected fill material areas and volumes.*
- *Reports areas, volumes and center of gravity of individual cut and fill areas for planning.*
- *Color shaded cut/fill and staking map.*
- *Cut cross sections or profiles at any location on the site*
- *Topsoil and unsuitable stripping materials*
- *Automatically raise or lower the site to balance cut and fill*
- *Adjust site from finished grade to subgrade for accurate earthwork volumes and select fill material quantities and MORE!!!*

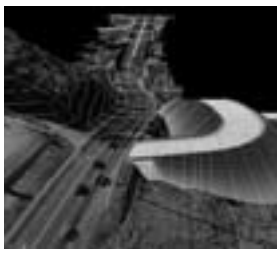
Trimble Construction Fleet Management

With Trimble's Fleet Management solutions you'll know everything about your fleet and drivers. This knowledge gives you a powerful tool to use for logistics, personnel utilization and vehicle maintenance scheduling helping you increase your productivity and reduce costs.

For a more productive fleet the only real way you can do this is to have a detailed understanding as to how your fleet operates. The Trimble Construction Fleet Management system lets you track vehicles in real time by viewing a map of their locations, so your dispatchers can see exactly where your vehicles and personnel are. Can be used for fleet maintenance and utilization too.

Allows you to download data into spreadsheets for customized management reports, which allow you to improve the productivity of the personnel operating the fleet.

The valuable insight you gain into how your fleet operates allows you to realize significant savings from better management of time, vehicles, maintenance and personnel. For more information on Trimble's Construction Fleet Management solutions ask your local Keystone Precision Instruments sales representative or call 1-800-833-9250. We will be glad to answer your questions.



Trimble Terramodel™ Software for Surveying

Trimble's powerful Terramodel™ software is an integral component of the Trimble Office software suite. The system provides a complete solution for survey data processing, site and infrastructure design, plus construction project data management. Used by surveyors, engineers and contractors alike, Terramodel software seamlessly communicates with all Trimble instruments and data collectors, as well as 3rd party data collection systems, design software and CAD packages. Terramodel software is a system comprising multiple modules that can be purchased individually or as solution Paks combining several modules.

Modules are:

- *Field Data Module*
- *Image Manager Module*
- *COGO Module*
- *Site Design Module*
- *Road Design Module*
- *ASAP(Automated Sheet Assembly and Production) Module*
- *Sewer Design and Analysis Module • CAD Module*
- *Contour Module • Terramodel Visualizer Module*

For more complete information on Paydirt and Terramodel please call and we will be glad to answer your questions.

Terramodel software delivers significant time savings for survey task, CAD and drafting within a single integrated system. Data can flow from the original survey through design to construction stakeout or machine control, without the need for data exchange or the reformatting of information. This eliminates errors and improves quality and traceability, increasing productivity at the same time. The system's modular approach allows you to use only the components required at a given time, but provides the flexibility to expand and meet new needs as they arise. Terramodel software is the ideal package for all survey, design and construction work.

Trimble

Pacific Laser Systems

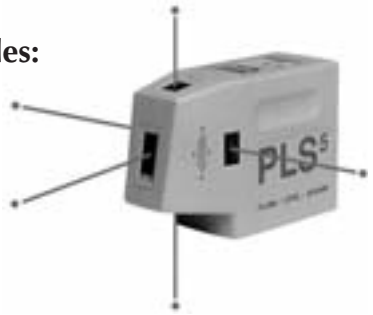
PLS5 Automatic Plumb, Level and Square

The PLS5 provides point to point alignment information.

Lay out reference points faster than traditional labor intensive methods. No more 3-4-5. No more swinging plumb bobs. Plumb instantly from floor to ceiling or from 50 feet off the ground! Self-leveling: no time wasted with bubble vials. Turn it on and go to work. Take clear, stable reference points indoors and outdoors. Working range is +/- 100 feet. Accuracy +/- 1/8″ at 100 feet. Leveling is automatic. 30 continuous hours of battery using AA batteries. 1.7 lbs. weight.

PLS5 System includes:

- *PLS5 Laser Unit*
- *Magnetic Wall Bracket*
- *Pendulum Layout Target*
- *Floor Stand*
- *Compact Carrying case*
- *Operating Manual*
- *1 Year Warranty*



PLS5 Automatic plumb, level and square . . . . . List Price $495.00 **SALE $425.00**

For more information on other PLS products please call for information.

LP40 *Rugged self-leveling, four-beam pocket laser for plumb up/down, level and square applications*

Offering unmatched durability, the versatile LP40 is ideal for installation of fixtures, putting in walls and leveling foundations. Projects 4 beams up to 100 ft. and can survive a drop of up to 3 ft. on a concrete floor and still provide consistent accuracy. One beam points up and another down to create a plumb up and plumb down reference. The other two beams are offset at 90 degrees to each other, pointing out horizontally to create level and square reference points. Features a self-leveling mechanism for consistent repeatability. Also has built in magnets so LP40 can be securely fit right to a drywall track.

List price $299.00 **SALE $267.50**

LP40

LP401

Same as LP40 except it comes complete with a set of universal mounting accessories and case. Contains case, universal mount, laser glasses, metal ceiling grid plate, pouch, 2 red flex targets and operators manual.

List price $349.00 **SALE $305.00**

LP401

HD50 Handheld Distance Meter

Rugged handheld distance meter designed to give specialty contractors a high accuracy, one person measuring and estimating tool to measure remote and difficult-to-reach places. Measures up to 165′ with accuracy of 1/16″ across entire measuring range.Visible red beam. Waterproof spec of IP54. Good for area, volume and distance measurements. Comes with soft case and manual.

HD50 Handheld Distance Meter. . . . . **SALE $195.00**

HD50

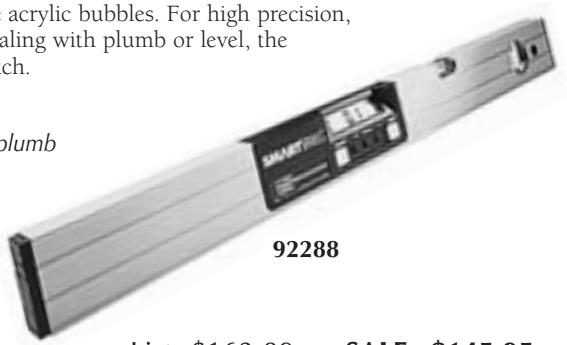
SmartTool™

The SmartTool™ Smart Level by M-D Building Products measures pitch, angle, slope, level and plumb.

Enables you to find level and plumb in two ways. For quick reference, use the sensitive acrylic bubbles. For high precision, use the digital display with amazing accuracy within 1/10 of a degree. If you are not dealing with plumb or level, the SmartTool quickly identifies any angle in 3 different modes: degrees, % of slope and pitch.

Features –

- *Audio mode: when visibility is difficult the audio sound will indicate when level or plumb*
- *Hold button: freezes reading and allows you to convert from one mode to another*
- *Can be re-calibrated at the touch of a button*
- *Digitally displays degrees, percent slope and pitch to 1/10 degree accuracy*
- *Auto shutoff after 5 minutes to extend battery life*
- *Extremely durable*



92288

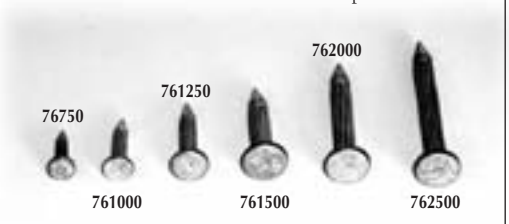
92288	24″ Smart Tool.	List $162.89	**SALE $145.95**
92296	48″ Smart Tool.	List $184.29	**SALE $161.95**
92908	24″ Soft case	List $23.59	**SALE $20.95**
92924	48″ Soft case	List $38.45	**SALE $33.50**

Mag-Nail

'Pound it harder, find it farther'

ChrisNik's superior hardened MAG NAILS are rapidly becoming the preferred nail among surveyors worldwide. Benefits include: a stronger nail, a larger center point, and an induced magnetic field that has doubled and even quadrupled the detectability over any nail on the market today. The MAG NAIL has also been coated with a zinc and clear chromate to resist corrosion. 100 nail per box.

		SALE
76750	3/4″	$ 4.75
761000	1″	$ 6.75
761250	1 1/4″	$ 9.45
761500	1 1/2″	$12.75
762000	2″	$14.25
762500	2 1/2″	$17.75



Brass Survey Markers

Solid brass survey markers with a ribbed shank which prevents turning or loosening. Available in flat or domed top.

		SALE
3403	2″ Flat Marker	$6.50
3408	3″ Flat Marker	$8.00
3413	2″ Domed Marker	$7.50
3418	3″ Domed Marker	$9.00

"P.K." Masonry Nails

Parker-Kalon hardened masonry nails are cadmium plated to resist rust and increase visibility. There are 100 nails per package.

		SALE
763724	3/4″	$ 5.75
763832	1″	$ 8.45
763936	1 1/4″	$12.95
764140	1 1/2″	$16.25
764148	2″	$18.75
764156	2 1/2″	$22.85

Tack Ball

Convenient rubber ball with a belt loop. Used as a pin cushion for holding stake tacks.

85218000 . . . . . Tack ball . . . . . **SALE $ 6.75 ea.**

Stake Tacks

These 3/4″ steel nails are galvanized and have a cupped head.
Sold in 1 or 5 pound boxes.

456855 . . . . . Stake tacks 1 lb. box . . . . . **SALE $ 7.35**
456856 . . . . . Stake tacks 5 lb. box . . . . . **SALE $34.50**

Nail Markers "red eyes"

Made of fluorescent red/orange vinyl impregnated nylon fabric, these nail markers are so tough they are almost impossible to tear. Measuring 1″ square with a 1/8″ or 1/4″ hole. 70 per bag.

14999 . . . . . 1/8″ Nail marker 1/8″ hole . . . . . **SALE $1.95**
14999 . . . . . 1/4″ Nail marker 1/4″ hole . . . . . **SALE $1.95**

The Mag Hub

The Mag Hub is magnetized for easy detection and zinc plated to resist corrosion. It has a large center point and looks like a standard survey marker. The Mag Hub is less than half the price of a stake and is easy to carry. Not for use in concrete or asphalt.

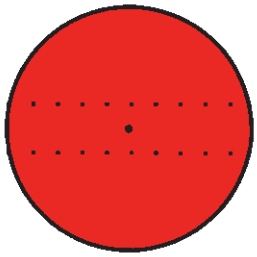
30004 . . . . . 4″ x 3/16″ Mag Hub (appr. 885 pieces) . . . . . **SALE $53.95 per box**
30006 . . . . . 6″ x 1/4″ Mag Hub (appr. 362 pieces) . . . . . **SALE $53.95 per box**
30008 . . . . . 8″ x 1/4″ Mag Hub (appr. 272 pieces) . . . . . **SALE $53.95 per box**

PERMAMARK –
Plastic Survey Monument Marker

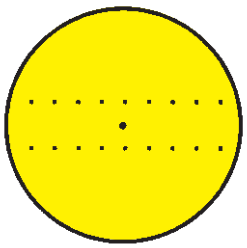
Over 20 years of experience has proven the many features of PERMA-MARK, the plastic survey monument marker. Permamarks are unaffected by alkalies, acids, salts, smog and other chemicals found in the field. Can be used in temperatures ranging from minus 40 degrees to 150 degrees F. Each marker can be stamped using heat pressure to give you a permanent record of your L.S., P.E., R.L.S., R.C.E. number. Name can be added provided the number of characters in the name fit on plug size ordered. The perfect marker for water pipe or rebar! Available in Yellow, Red or Orange - please specify. **Minimum order of 200 caps. Caps must be same color, size and stamping.** Blue rebar caps are an additional 15% above listed price.

3000	1/2 inch marker	**$29.50 per 100 caps**
4000	3/4 inch marker	**$31.00 per 100 caps**
5000	1 inch marker	**$32.50 per 100 caps**
6000	1-1/4 inch marker	**$33.50 per 100 caps**

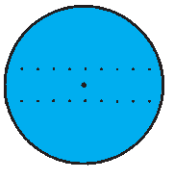
Please specify color and supply any artwork that is required to assure accurate information.



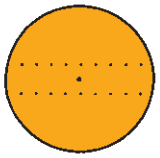
#6000 *(3/4 rebar)*
14 letters per line



#5000 *(5/8 rebar-1″ pipe)*
13 letters per line



#4000 *(1/2 rebar-3/4″ pipe)*
9 letters per line



#3000 *(3/8 rebar-1/2″ pipe)*
7 letters per line

Combo Lettering and Stamp Set

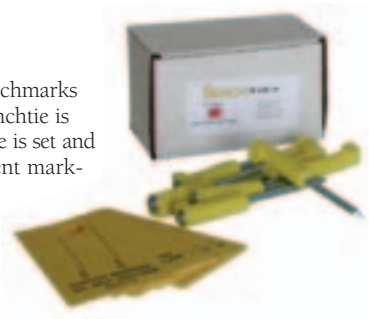
High carbon steel stamps endure over 9,000 markings each. 26 letters "A-Z" & Sign, Numbers "0-8" – Turn 6 upside down for #9. Comes w/case

3100800	1/8″ Stamp Set	**$35.95 per set**
3135121	1/4″ Stamp Set	**$45.95 per set**
3135122	3/8″ Stamp Set	**$52.95 per set**

Benchtie

The Benchtie will save you time and money by allowing all benchmarks and ties to be plotted on work sheets for easy reference.The Benchtie is designed to be used with the information tag. Once the Benchtie is set and located, information can be recorded on the tag with a permanent marker. This will enable the surveyor to leave a benchmark that is easy to identify and use. There are 20 Benchties per box. Order per box only Available in Yellow.

2700Y Yellow Benchtie *(20 Per box)* **$53.50 per Box**



Hammerless "Hub" Stake

8″ x 3/16″ Carbon Steel "Nail". Permits easy soil penetration and also allows for easy metal detection. Galvanized with dimpled and cross-scored head.

HHS – $26.00 per Bundle (100 per Bundle)

"Hub" Disc

40 mil plastic, yellow one side/fluorescent orange on other side. Printed, "SURVEY MARKER-DO NOT REMOVE", for use with Hammerless Hub Stake, Mag nails and PK nails.

HUBD – $12.00 per pkg. (100 per pkg.)

MAG SPIKE

Made from a blend of high strength steel. This survey marker is the most durable marker in the industry. Like the Mag Nail you can Pound It Harder and Find It Farther!!

Magnetized for easy detection and it's large center point and 1″ diameter head make it great for control point and property corners. Comes in two sizes 3 or 4 1/2 inch and 25 per box.

253MAGSPIKE	3″ x 3/8″ (25 per box)	**$29.75 per box**
254MAGSPIKE	4 1/2″ x 3/8″ (25 per box)	**$36.50 per box**
256MAGSPIKE	6″ x 3/8″ (20 per box)	**$36.75 per box**
258MAGSPIKE	8″ x 3/8″ (20 per box)	**$41.80 per box**

DOT Safety Vest – AWARE WEAR

Sleeveless

With Sleeves

Class 2 ANSI DOT Vest. 100% polyester woven mesh, 4.5″ 3M™ contrasting trim, conforms to ANSI/ISEA 107-2004 standard for design, color and reflectivity, color matched hook and loop closure, 2 inside sewn pockets -7″ L x 8 1/2″ W. Available ONLY in Hi-Vis Lime.

14605	Medium Class 2	**$16.95**
14606	Large Class 2	**$16.95**
14607	X-Large Class 2	**$16.95**
14608	XX-Large Class 2	**$16.95**

Class 3 ANSI/DOT Vest – *same specs as class 2 except with sleeves*

14609	Medium Class 3	**$17.95**
14610	Large Class 3	**$17.95**
14611	X-Large Class 3	**$17.95**
14612	XX-Large Class 3	**$17.95**

Soft Mesh Safety Vest

Soft mesh safety vest with elastic side straps and Velcro front closure, with 2 horizontal reflective stripes front and back. One size fits all.

16300 Flo Orange Mesh safety vest… **SALE $10.25**

16301 Flo Green Mesh safety vest… **SALE $10.25**

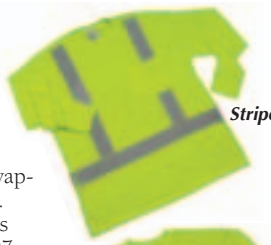
19545

Omega II Mega Ratchet Hard Hat

Molded from High Density Polyethylene for maximum protection and comfort. Features a sleek, ribbed and well balanced low profile design. Cushioned brow pad absorbs moisture to help keep wearer cool and comfortable. Removeable brow pad – can be washed or replaced. Made in America and meets ANZI Z89.1-2003, Type 1, class C,E and G requirements. "Secure-Fit" Ratchet features an easy turn knob that allows adjusting for a perfect fit without removing the helmet

19951	White Safety Hat	**$9.75**
19952	Yellow Safety Hat	**$9.75**
19953	Orange Safety Hat	**$9.75**
19990	Hi-Vis Lime Safety Hat	**$9.75**
304	Replacement Brow Pad	**$1.00**
19545	Quilted liner for hard hats. Fleece lining and outer shell is quilted nylon tricot	**$3.98**

Erb Hi-Viz T- Shirts


Striped T

Plain T

Two styles to meet your needs. Made of HydoWick™ treated 100% spun polyester allows fabric to draw perspiration from skin to outside of shirt so it can evaporate. Feels like cotton, very soft, 5.3oz. Maintains wicking ability and brightness after 100 washings. Meet ANSI/ISEA 107-2004 background material requirements. Hi Vis Flo Yellow color.

One style to meet Class 2 requirements with reflective 3M Scotchlite stripes and the other a plain T Shirt meeting Class I.

9601M	Plain T Medium	**SALE $11.95**
9601S-M	Striped T Medium	**SALE $21.50**
9601L	Plain T Large	**SALE $11.95**
9601S-L	Striped T Large	**SALE $21.50**
9601XL	Plain T X-Large	**SALE $11.95**
9601S-XL	Striped T X-Large	**SALE $21.50**
9601XXL	Plain T XX-Large	**SALE $12.50**
9601S-XXL	Striped T XX-Large	**SALE $22.50**

ERB First Aid Kits

Metal Kit

25 Unit First Aid Kit in a Metal container. Meets ANSI Z3008. 1-2003 requirements in compliance w/OSHA standards. Contents:

Adhesive strips-1″x 3″ (50), adhesive fabric fingertip bandages (5), adhesive fabric knuckle bandages (4), adhesive fabric strips XL (3), adhesive tape .5″ x 5 yds. (1), antiseptic wipes (30), Non-aspirin pain reliever (6), cold pack (1), eye pads (2), first aid/burn creme packets, forceps (1), gauze pads 4″ (5), large wound pad 5″x 9″ (1), non-latex gloves (4), scissors (1), sting relief wipes (3), trianglular bandage (1)
Box dimensions: 6.5″ L x 9.5″ W x 2.75″ D

25EM 25 Unit Metal First Aid Kit . . . . **SALE PRICE $28.50**

Contractors Kit

25 Unit First Aid Kit in a Plastic container. Meets ANSI Z308. 1-2003 requirements in compliance w/OSHA standards. Contents:

Adhesive strips 1″ x 3″ (50), adhesive tape 0.5″ x 5 yds. (1), antiseptic wipes (30), cold pack (1), elastic bandage 2″ (1), eye pads (2), firstaid/burn cream packets (6), forceps (1), gauze bandage 2″ (1), gauze pad 3″ (4), large wound pad 5″ x 9″ (1), non-latex exam gloves (4), scissors (1), sting relief wipes (3), triangular bandage (1), first aid instructions (1)
Box dimensions: 6.5″ L x 9.5″ W x 2.75″ D

25EPC Contractor First Aid Kit . . . . . **SALE PRICE $21.95**

ARE YOU READY FOR THE NEW MANDATE?

Effective November, 2008 the Federal Highway administration mandated that anyone working on a federally funded highway (All 50 states) wear ANSI compliant high visibility garments.

Stripe Detail

In conjunction with that directive Seco has developed Safety Utility Vests that meet the ANSI/ISEA class 2 and class 3 mandatory requirements.

Series 8265 Class 2 Safety Utility Vest

List Price $111.95

SALE $95.95

This safety vest meets ANSI/ISEA 107-2004 Class 2 federal mandatory requirements. It is made from durable ANSI/ISEA compliant polyester and polyester mesh. The vest has YKK® zippers.

Order by series, size (M, L, XL, XXL, XXXL) and color (Fluorescent Orange or Fluorescent Yellow). For information on Class 3 #8365 Series Vests please call 800-833-9250.

Series 8068 Lightweight Safety Utility Vest

This safety vest offers visibility and safety on the job site. The durable fabric is constructed of 100% Polyester for softness, comfort, superior strength, and abrasion resistance. This vest is designed to comply with DOT MUTCD and ANSI/ISEA 107-2004 Class 2 standards. It has 2″ wide stripes of reflective tape and features convenient pockets with sturdy snap fasteners.

SALE $75.50

VEST SIZES	
medium	*44-46 in*
large	*48-50 in*
Xlarge	*52-54 in*
XXlarge	*56-58 in*
XXXlarge	*60-62 in*

Order by series, size (M, L, XL, XXL, XXXL) and color (Fluorescent Orange or Fluorescent Yellow).

Cool mesh back

Series 8069 Heavy-Duty Safety Utility Vest

SALE $67.50

The 8069 is a 100% polyester SUV manufactured to meet ANSI/ISEA 107-2004 Class 2 standards and features a cool, comfortable mesh back. The special compartments include a field notebook pocket, pencil slots, compass pocket with grommet, flagging tape pocket with grommets, and inside pockets. There's an exterior radio mic clip on this model also!

Order by series, size (M, L, XL, XXL, XXXL) and color (Fluorescent Orange or Fluorescent Yellow).

Series 8067 Heavy-Duty Safety Utility Vest

This vest comes with 2-inch-wide reflective tape and is highly visible in any weather condition day or night. Made of heavy duty 1000 denier Cordura. The material is treated with a durable, water repellant finish. It also has a urethane backing for additional water resistance and strength. Cordura material is extremely resistant to punctures and tearing. Designed to comply with DOT MUTCD specifications for high visibilty safety apparel. Features convenient pockets with sturdy snap fasteners.

SALE $79.50

Order by series, size (M, L, XL, XXL, XXXL) and color (Fluorescent Orange or Fluorescent Yellow).

Multi-Pocket Surveyor's Vest

Available in fluorescent orange or fluorescent green color for safety. 100% polyester with non-corrosive zipper front closure. Individual chest pockets for pens and tools. Two flap pockets with Velcro closure. Two inside front pockets.

Flo-orange vest comes with White-on-Yellow stripes or Flo-green comes with White-on-Orange stripes. Vertical and horizontal patterns front and back.

FLO-ORANGE		*SALE*	*FLO-GREEN*
5000MO	Surveyors vest medium	**$22.75**	**5001MG**
5000LO	Surveyors vest large	**$22.75**	**5001LG**
5000XLO	Surveyors vest x-large	**$22.75**	**5001XLG**
5000XXLO	Surveyors vest xx-large	**$24.75**	**5001XXLG**
5000XXXLO	Surveyors vest xxx-large	**$24.75**	**5001XXXLG**

Field Protection Products

Aervoe Hornet and Wasp Spray

Use this fast acting, powerful aerosol spray to saturate nests instantly and eliminate hornets, wasps, and yellow jackets from areas where they are nesting. Sprays up to 20 ft. with a pinpoint stream that allows you to reach cracks and crevices etc.

862 20-ounce Aerosol can…
$4.75 per can or **$54.00** per case
*(12 cans per case — **$4.50** per can)*

Sting-Eze® Insect Sting Treatment

A concentrated treatment that counteracts the affects of bites and stings from bees, mosquitoes, wasps, hornets, ants, deerflies and horseflies. Relieves pain. Combats infection from poison ivy, oak, cuts, burns, scratches, and abrasions.

6019 1/2 fluid oz. … **$3.95** each

After Bite® Insect Bite Treatment

Immediate use gives fast relief of stings and bites of blackflies, horseflies, deerflies, bees, hornets, wasps, ants, fire ants, and plant irritations. Rub vigorously on affected areas. Plastic tube with pocket clip.

6018 1/2 fluid oz. …
$3.95 each

Aervoe Insect Repellent

Contains the protection of DEET to repel unwanted insects. Use to spray on clothes and skin to provide complete coverage. Frequent application is not necessary.

- ***Enjoy hours of protection from mosquitos, biting flies, ticks, gnats, chiggers and fleas.***
- ***Convenient and easy to carry for quick application.***

884 8-ounce Aerosol can…
$4.90 per can or **$55.80** per case
*(12 cans per case — **$4.65** per can)*

Aervoe Hand-y Towels

Pre-moistened cleaning towels in a handy flip-top tub dispenser. Perfect for removing tar, heavy greases, oils, wax, dirt, grime, inks, adhesives and lubricants. Lint free, quick drying, fresh citrus scent and no water or rinsing required. 75 towels per tub.

5021 Hand-y Towels
SALE $9.98 per tub

5025 Hand-y Scrub Towels
Same as 5021 except w/ smooth and rough side
SALE $10.75 per tub

AERVOE®

Carrying Bags

STAKE BAGS Available in 18″ or 24″ lengths, with shoulder strap and outside pockets on three sides.

85809000	Seco 18″ stake bag orange	**SALE $36.50**
85809200	Seco 24″ stake bag orange	**SALE $39.50**

HEAVY-DUTY STAKE BAGS Same as standard stake bag except they are built with super-tough Rhino-tek™ material. Main compartment is made of Rhino-tek™ with the balance made from 1000 denier Cordura™.

809020ORG	Seco 18″ Heavy-Duty stake bag orange	**SALE $39.95**
809220ORG	Seco 24″ Heavy-Duty stake bag orange	**SALE $42.95**

LATH BAGS Available in 36″ or 48″ lengths with hand loop, shoulder strap and an outside pocket.

85810000	Seco 36″ lath bag orange	**SALE $30.75**
85810100	Seco 48″ lath bag orange	**SALE $33.75**

HEAVY-DUTY LATH BAGS Same as standard lath bag except they are built with super-tough Rhino-tek material. Bottom of bag and six inches up the side are made from Rhino-tek material with the balance made from 1000 denier Cordura.

810020ORG	Seco 36″ Heavy-Duty stake bag orange	**SALE $34.95**
810120ORG	Seco 48″ Heavy-Duty stake bag orange	**SALE $37.95**

LATH CARRIER 33″ long open style, with fiberglass dowel along opening to support weight, carry handle and shoulder strap

85810200	Seco lath carrier orange	**SALE $46.50**

HEAVY-DUTY LATH CARRIER Features a thick, reinforced bottom of leather and Rhinotek abrasive-resistant material. The exterior features a hammer loop, paint can holder,marker pen slots, and a pocket for miscellaneous gear.

810201ORG	Seco Heavy Duty lath carrier orange	**SALE $49.95**

CRAIN PRISM BAGS Water resistant and heavily padded for extra protection. Made with an orange 1000-denier nylon that is pvc backed and sewn with nylon thread.

		SALE
91459	Triple prism bag, 10.5″H x 10.5″W x 5.5″D	**$21.90**
91460	Jumbo triple prism bag, 11.5″H x 10.5″w x 6″D	**$26.50**
91461	Extra tall triple prism bag, 14.5″H x 8″W x 3.5″D	**$28.50**

HEAVY-DUTY STAKE BAG W/PARTITION Available in 18″ or 24″ lengths, with shoulder strap. Partition down the middle of the bag to separate stakes and hubs. Complete with super-tough Rhino-tek material. Outside pockets (GREEN COLOR)

		SALE
809120GRN	Seco 18″ Heavy-Duty stake bag green	**$42.95**
809620GRN	Seco 24″ Heavy-Duty stake bag green	**$47.95**

CRAIN TOTAL STATION BACK PACK Top Loading total station back pack. Made from extremely durable, 600 denier laminated backing, polyester fabric. Material resists sunlight, mildew, abrasion, moisture, and has a “cotton duck” feel and appearance. Designed for real field conditions.

91462	CRAIN Total Station Top Load Bag	**SALE $154.50**

HEAVY DUTY BUCKET BAG Heavy duty, water resistant bucket bag is constructed of textured polyester material and is reinforced at all wear points. It features pockets for drill bits and chuck key, pens, pencils, tapes and much more.

809550RED	Seco Heavy duty bucket bag	**SALE $16.95**

85809200

809020ORG

809220ORG

85810000

85810200

810020ORG

810120ORG

810201ORG

91460

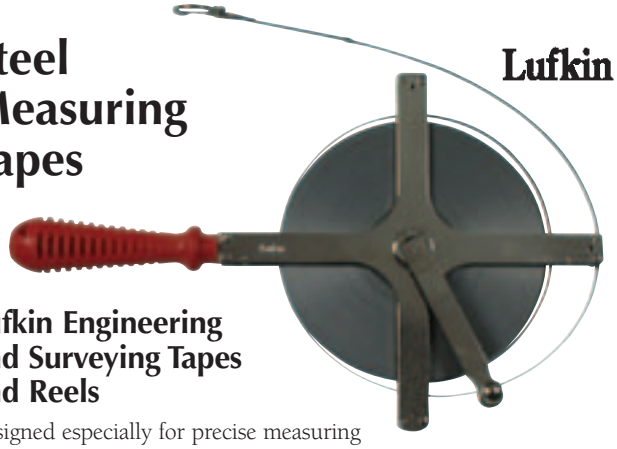
91461

809120GRN

91462

809550RED

Steel Measuring Tapes



Lufkin Engineering and Surveying Tapes and Reels

Designed especially for precise measuring such as route surveys and railways, mining and suveying work. Heavy gauge steel 1/4″ wide in chrome clad or yellow with an epoxy coating. Zero at end of tape, each tape has a ring end with one spare ring, and a temperature correction scale. Complete with an all metal reel.

			List price	SALE
YELLOW CLAD				
45779	**Y1276**	100′ yellow steel 8ths	$238.58	**$165.98**
45780	**Y1276D**	100′ yellow steel 10ths	$238.58	**$165.98**
45783	**Y1278**	200′ yellow steel 8ths	$352.00	**$243.95**
45784	**Y1278D**	200′ yellow steel 10ths	$352.00	**$243.95**
CHROME CLAD				
45382	**C1276**	100′ chrome steel 8ths	$331.61	**$259.00**
45384	**C1276D**	100′ chrome steel 10ths	$331.61	**$259.00**
46029	**C2730DMM**	30M chrome steel mm/10ths	$331.61	**$259.00**
45386	**C1278**	200′ chrome steel 8ths	$598.90	**$447.50**
45388	**C1278D**	200′chrome steel 10ths	$598.90	**$447.50**
46030	**C2750DMM**	50M chrome steel mm/10ths	$430.63	**$344.00**
REPLACEMENT REELS				
45027	**11-100**	replacement reel 1/4x100	$128.16	**$102.50**
45028	**11-200**	replacement reel 1/4x200	$167.62	**$133.95**
REFILLS YELLOW CLAD				
45782	**RY1276D**	100′ yellow refill 10ths	$128.64	**$102.50**
45786	**RY1278D**	200′ yellow refill 10ths	$209.03	**$152.25**
REFILLS CHROME CLAD				
45385	**OC1276D**	100′ chrome refill 10ths	$264.46	**$179.50**
46374	**OC2730DMM**	30M chrome refill mm/10ths	$264.46	**$179.50**
45389	**OC1278D**	200′ chrome refill 10ths	$508.60	**$359.50**

Banner HW226D Professional Quality Tape

Yellow clad tape 3/8″ W x 100′ L. Large easy action winding drum. Rugged, vinyl covered steel case. Nylon rollers guide the tape smoothly in and out of the case. Bold graduations with black and red numbers for accurate measuring. Blade is fitted with a folding hook ring.

			List price	SALE
45896	**HW226D**	100′ Tape in 10ths	$64.04	**$48.95**

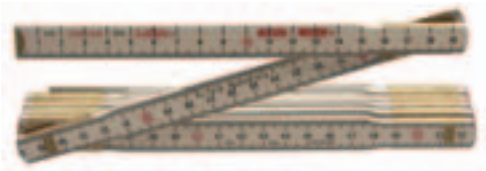
Hi-Viz Linear Reel Style Fiberglass Tape

Designed for rugged field use by the surveyor, engineer or contractor. Durable, waterproof and able to withstand breakage and abrasion under normal use. Non-conductive construction material allows safe use around electrical hazards. Line does not collect dirt in case due to lightweight open reel design. Half (1/2″) inch wide yellow tape. Hi-Viz Orange in color case.

			List price	SALE
FIBERGLASS TAPES				
45464	**FE100**	100′ fiberglass 8ths	$22.00	**$15.95**
45465	**FE100D**	100′ fiberglass 10ths	$22.00	**$15.95**
46031	**FE200**	200′ fiberglass 8ths	$34.00	**$23.95**
46032	**FE200D**	200′ fiberglass 10ths	$34.00	**$23.95**
46035	**FE300**	300′ fiberglass 8ths	$54.59	**$37.95**
46036	**FE300D**	300′ fiberglass 10ths	$54.59	**$37.95**
REFILLS FIBERGLASS				
45357	**0706**	100′ fiber refill 8ths	$16.95	**$12.25**
45359	**0706D**	100′ fiber refill 10ths	$16.95	**$12.25**
46033	**01708**	200′ fiber refill 8ths	$27.09	**$18.75**
46034	**01708D**	200′ fiber refill 10ths	$27.09	**$18.75**

Manufacturer does not make refills for 300′ Tapes above.

Folding Rules



SERIES Red End® Two Way® Folding Wood Rule

Lufkin folding rules feature bold markings imbedded in the wood. Markings are black and red on a white background with an epoxy coating. 5/8″ width.

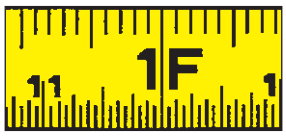
		List price	SALE
45376	1066D 6′ x 5/8″ 10ths/8ths	$23.33	**$16.15**
48505	1066DM 6′ x 5/8″ 10ths/mm	$23.33	**$16.15**

RHINO Rulers

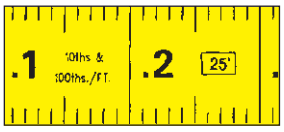
Made of a rugged polyamide/fiberglass composite. Flexible and wear resistant. Will not warp like wooden folding rules. Deeply embossed scales won't wear away under harsh conditions. 90 degree positive stop joints. 5/8″ width.

		List price	SALE
031619EG	Heavy Duty 6′ Fiberglass rule 10ths/8ths	$21.95	**$15.95**
031619EGM	Heavy Duty 6′ Fiberglass rule 10ths/mm	$21.95	**$15.95**

Pocket Tapes – Retractable Power Return



HV1425D



HV1425ED

Series 1000

Lufkin Hi-Vis Orange case makes them easy to find on the job. Light weight with a high strength case. Bright yellow blade has easy to read numerals. Toggle lock is positioned for convenient operation and holds the blade securely in any position. Cushioned blade return and removable belt clip. Tapes listed are either 1´ or 3/4″ in width.

44200	**HV1425ED**	25′ x 1″ 10ths/100ths Only	List	$15.72	**SALE**	**$12.50**
46332	**HV1325D**	25′ x 3/4″ 10ths/8ths	List	$14.54	**SALE**	**$11.50**
46333	**HV1312D**	12′ x 3/4″ 10ths/8ths	List	$10.24	**SALE**	**$8.10**
46335	**HV1425D**	25′ x 1″ 10ths/8ths	List	$15.72	**SALE**	**$12.50**
48512	**HV1048DM**	7.6M x 1″ 10ths/mm.	List	$15.72	**SALE**	**$12.50**
48513	**HV1034DM**	3.7M x 3/4″ 10ths/mm	List	$10.24	**SALE**	**$8.10**

HV1325D

HV2133D

Series 2000

Lufkin Chrome finished case is light weight and durable. Bright yellow blade has easy to read numerals. Toggle lock is positioned for convenient operation and holds the blade securely in any position. Cushioned blade return and removable belt clip. 1´ diameter tape.

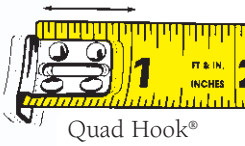
47335 **HV2133D** 33′ x 1″ 10ths/8ths . . . . . List $20.95 **SALE** **$16.50**

Series PS3000 PRO

Lufkin Hi-Vis Orange case with rubber cushioned shell to protect tape from impact and improves grip. Ny-Clad® blade coating extends blade life 5 times longer than standard blades. Non-slip toggle lock allows complete control of power tape blade. Removable belt clip. 1″ diameter tape.

44300 **PS3425D** 25′ x 1″ 10ths/8ths . . . . . List $20.12 **SALE** **$15.95**

PS3425D



Quad Hook®

Series 800 XTRA-WIDE

Lufkin Hi-Vis Orange case with rubber cushioned shell to protect tape from impact and improves grip. Tape features a 10´ stand-out feature! Soft touch lock button. Clearcoat blade protection with more durable markings. Easy on/off belt clip for attachment to belt. 1 3/16″ blade width.

44400 **XL8525D** 25′ x 1 3/16″ 10ths/8ths . . . . . List $16.59 **SALE** **$13.25**

Lufkin

XL8525D

476902

Heavy Duty Surveyors and Engineering Tapes

This heavy duty power tape features rubberized black and high visibility yellow case with a positive thumb lock and release action. The graduations are printed large, easy to read numerals on a 1″ blade.

476902 25′ Tape in 10ths/8ths . . . . . **SALE $ 9.25**
476904 33′ Tape in 10ths/8ths . . . . . **SALE $11.65**

Lufkin PRO SERIES Fiberglass Tapes

Surveyors, contractors, engineers, real estate professionals and anyone depending on reliable field measurements will appreciate the features of the Lufin Pro Series Long Tapes. Super fast 3:1 gear ratio retrieval – Heavy Duty blade has twice the stretch resistance of standard fiberglass – Blade is double PVC coated – Fiberglass is non-conductive – Waterproof and durable.

45000	**PSFE100**	100´ Fiberglass 10ths/8ths	List	$57.18	**SALE**	**$39.95**
45001	**PSFE200**	200´ Fiberglass 10ths/8ths	List	$102.19	**SALE**	**$69.95**
45002	**PSFE300**	300´ Fiberglass 10ths/8ths	List	$121.65	**SALE**	**$83.95**

Includes storage in handle, Anodized aluminum stake for one person measurements and 3 interchangeable attachments –standard folding hook, appraisers hook and ring attachment.

PSFE300

Lufkin PRO SERIES Ny-Clad® Steel Tapes

Great for the professional depending on accurate measurements. Steel blade will not stretch under normal conditions. Durable nylon coating on blade resists wear under extreme conditions. Super fast 3:1 blade retraction saves time in the field. 3/4″ wide tape.

45030 **PS1806D** 100′ Ny-Clad® 10ths only. . . . . List $64.36 **SALE** **$47.95**
45031 **PS1808D** 200′ Ny-Clad® 10ths only. . . . . List $102.19 **SALE** **$74.95**

For Lufkin tapes not shown please call for information and pricing.

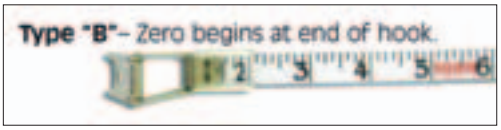
PS1808D

PS1806D

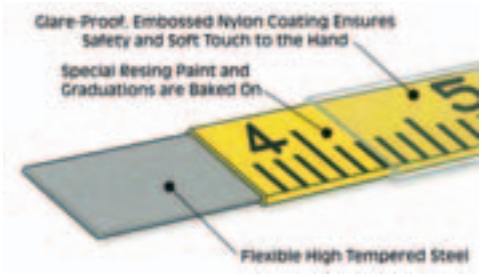
NY-CLAD Steel Tapes

An indispensable measuring tool featuring an open reel with rounded design, large soft grip handle, made of high impact ABS plastic. Accurate wear resistant graduations. 1/2" wide blade w/ flexible high tempered steel core. Nylon coating on tape withstands temperature extremes, water and chemicals. Crank handle folds to prevent damage.

NY-CLAD		List price	SALE
8210080B	100´ ny-clad 8ths	$54.00	**$39.50**
8210010B	100´ ny-clad 10ths	$54.00	**$39.50**
8230MA	30 meter ny-clad mm	$49.00	**$37.50**
8220080B	200´ ny-clad 8ths	$89.00	**$64.50**
8220010B	200´ ny-clad 10ths	$89.00	**$64.50**
8250MA	50 meter ny-clad mm	$84.00	**$61.50**



High impact plastic open reel. Easy to read, 1/2˝ wide blade


Glare-Proof. Embossed Nylon Coating Ensures Safety and Soft Touch to the Hand
Special Resing Paint and Graduations are Baked On
Flexible High Tempered Steel

Fiberglass Measuring Tapes

Fiberglass tapes are PVC coated to resist water, chemicals and are nonconductive. Yellow with black markings and open or closed reel.

FIBERGLASS TAPES OPEN REEL		List price	SALE
74Y20M	20m fiberglass mm.	$16.00	**$13.50**
74Y1008	100´ fiberglass 8ths	$19.00	**$15.95**
74Y1001	100´ fiberglass 10ths	$24.00	**$20.00**
74Y30M	30m fiberglass mm.	$20.00	**$16.95**
74Y2008	200´ fiberglass 8ths	$34.00	**$28.50**
74Y2001	200´ fiberglass 10ths	$49.00	**$40.95**
74Y50M	50m fiberglass mm.	$36.00	**$31.50**
74Y3008	300´ fiberglass 8ths	$50.00	**$41.50**
74Y3001	300´ fiberglass 10ths	$65.00	**$54.50**
74Y100M	100m fiberglass mm.	$60.00	**$50.00**

Refills Available Upon Request for Fiberglass Tapes.

KESON Fiberglass Surveyor's Ropes

Makes an ideal drag chain for rough surveying measurements. Numbers are graduated from the strap handle upward to the end of the rope. Designed to withstand use in mud, water or over abrasive surfaces. Nonconductive. 7/32˝ wide by 3/32˝ thick.

		LIST PRICE	SALE
10100	100´ Surveyor's Rope feet/10ths	$20.99	**$16.95**
10200	200´ Surveyor's Rope feet/10ths	$30.99	**$24.50**
10300	300´ Surveyor's Rope feet/10ths	$41.99	**$32.50**

KESON Pocket Rods

Ideal for foundation work, grading, swimming pools etc. Rod is extracted from the case and becomes a convenient 6 1/2' leveling rod.Blade is nylon coated to protect graduations from wear and moisture. Graduated on two sides with easy to read numbers and includes built in target and heavy duty end hook.

		LIST PRICE	SALE
13610	Feet, 10ths, 100ths	$22.49	**$18.50**
13618	Feet, inches	$22.49	**$18.50**

NR Series Reel

SNR Series Reel

KESON PERMA-CLAD NYLON COATED STEEL TAPE MEASURES

Keson nylon-coated steel tapes meet the highest standard of accuracy for survey quality measurements. They bend easily around curved surfaces and are lightweight even in 300ft. lengths. Resist breakage and damage under the toughest field conditions. These tapes are constructed with a double layered .2mm nylon,permanently bonded over a center core of 13mm steel. Multi-layer construction assures corrosion resistance (even to salt water) and provides at least three times the usual tape life.

- ***Shovel Handle for Comfortable Rapid Reeling***
- ***Ground Stake for Accurate Measurement***
- ***Less Wind Drift and Improved Durability***
- ***Metal Reinforced, Polycarbonate Crank Handle for Durability***
- ***Zero Point at End of Hook***

		LIST PRICE	SALE PRICE
NR10100H	100´ feet/10ths/100ths	$59.99	**$48.50**
NR10200H	200´ feet/10ths/100ths	$89.99	**$78.50**
SNR10300H	300´ feet/10ths/100ths	$179.99	**$169.95**

NOTE Reel on 300´ is made of stainless steel, not a polycarbonate.

KESON ULTRA — GLASS FIBERGLASS, DUAL SIDED, 2–COLOR MEASURING TAPES

This open reel style has a tough, molded handle that is easy to grasp and the crank handle is reinforced with metal to provide years of rugged use. Double-throat rollers guide the blade return and prevent the tape from twisting. Shovel handle is ideal for rapid reeling. Printed on 2 sides – one side in ft./10ths/100ths – Yellow and second side in ft./inches/8ths – White. Tapes contain 42,000 fiberglass strands for greater tensile strength and superior accuracy when tension is applied. Tapes have proven dielectric strength of 200,000 V/M to assure your safety from electrical hazards.

		LIST PRICE	SALE PRICE
OTR1810100	100´ – 2 sided graduation ft./10ths/100ths, ft./inches/8ths	$28.50	**$24.50**
OTR1810200	200´ – 2 sided graduation ft./10ths/100ths, ft./inches/8ths	$59.50	**$51.50**
OTR1810300	300´ – 2 sided graduation ft./10ths/100ths, ft./inches/8ths	$74.50	**$66.50**

KESON FASTSPEED REWIND LONG FIBERGLASS TAPES 3 X GEARED

FASTSPEED measuring tapes feature double coated PVC coated fiberglass blades. The 1/2" wide blades are printed on both sides with large graduated numbers for easy reading in the field. The blades terminate with a patented double hook. The A.B.S. case and metal handle provide years of rugged, trouble free use. Double graduation features one side in Yellow and one side in White.

		LIST PRICE	SALE PRICE
KL1810100F	100´ – 2 sided graduation, ft./10ths/100ths, ft./inches/8ths	$27.99	**$22.50**
KL1810200F	200´ – 2 sided graduation, ft./10ths/100ths, ft./inches/8ths	$41.99	**$33.50**
KL1810330F	330´ – 2 sided graduation, ft./10ths/100ths, ft./inches/8ths	$61.99	**$49.50**

For information on tapes not listed please call for information.

KESON POWERGLIDE POCKET TAPES

Nylon -coated steel blade with Rubber Grip Chrome Housing

		SALE PRICE
PG181025	25´ x 1˝ 10ths & 8ths	**$11.25**
PG1025	25´ x 1˝ 10ths only	**$11.25**
PG2510	25´ x 1˝ 10ths only – Economy Series Blade-steel-lacquer coated w/Rubber Grip Housing	**$7.50**

SECO Prisms

Single Prism Tilting Assembly. Includes 0/-30 durable **Aluminum** holder coated with corrosion-proof electrostatic powder paint. Prism. Yoke Assembly and plug. Comes in Flo Yellow, Flo Orange or Yellow. Please specify color. (For Assembly or Holder only)

644000 Single Tilting Prism Assembly . . . . List Price $199.95 **SALE $147.50**
637500 Single Tilting Holder Only . . . . . List Price $94.95 **SALE $81.50**

644000

637500

Strobe Prism

Prism solution for night or low light job conditions. Prism features a red LED strobe light that pulses every two seconds. All electronics including the battery are securely housed in the canister. The battery is a Sanyo CR-1/3N and holds a charge for appr. 48 hours.

641600 Strobe Prism Only . . . . . List Price $159.95 **SALE $148.75**

641600

91608

91636

CRAIN Mini Prisms

These mini prisms are light in weight and high in value. Single tilting prism with round target and bubble, plumb bob cord mount, carry pouch and all metal construction. Prism is 1″ diameter. 0/-30 offset

		List Price	Sale Price
91608	Crain Mini Prism Kit– features inside bubble	$160.00	**$104.50**
91636	Crain Mini Prism Kit– features outside bubble	$160.00	**$104.50**

Stakeout Mini Prism with Site Cones

Features “site cones” that improve vertical angle pointing and an adjustable side-mounted circular vial. The cones double as tilting –axis lock knobs. Adjustable 40 minute vial. 0/-30mm offset values. Comes with case.

640510FOR Stakeout Mini Prism w/Site Cones
List Price 229.95 **SALE $179.50**

25mm L-Bar Mini Prism

Perfect for deformation or mining surveys, or places where a permanent mounting is needed. Made of anodized aluminum. Prism is water and dust proof. Features a -25mm offset

660002 25mm “l-Bar” Mini Prism
List Price $129.95 **SALE $93.98**

If bulk quantities of this style prism are required, please ask for quote.

Sliding Prism and Sectional Pole Kit

This mini-prism holder tilts and slides up and down the pin poles. The vertical angle site cones double as locks, one for height and one for prism tilt. The prism has a 40-min adjustable circular vial and a height pointer is built into the holder for accurate measure. Includes four 1-ft (30-cm) pole sections each with 0.50 ft (15.24 cm) mark and an adapter so prism can be used on any pole or tribrach adapter with 5/8 x 11 threads.

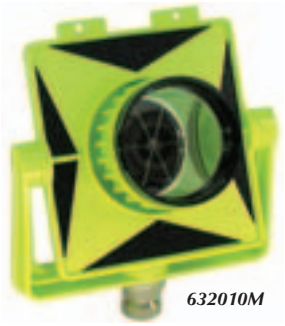
591005
Sliding Prism & Sectional Pole Kit
List Price $279.95
SALE $249.95

Prisms and Accessories

CST

0/30mm Universal Prisms with Metal Yoke

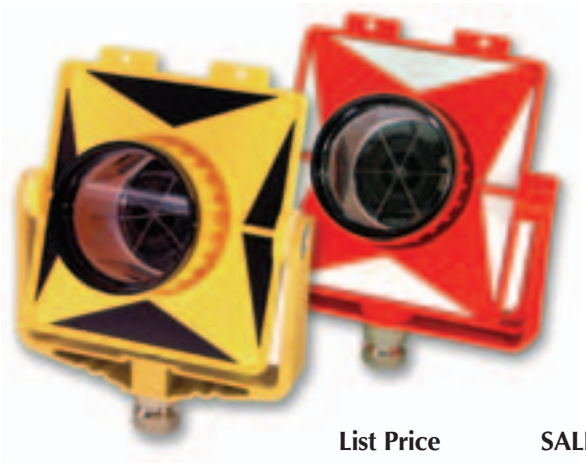
Our Universal prism assembly is available with an aluminum yoke warranted for life, and features Delrin™ washers for excellent wear and long-term performance. Ribbed yoke design ensures lasting tension on your target.



632010M

CST UNIVERSAL SERIES PRISMS

These popular value priced 0/30mm offset and 2.5″ diameter prisms offer a metal yoke and plastic tilting target. Available in orange/white, yellow/black, or chartreuse (lime glo)/black.



Product	Description	List Price	SALE
632010M	CST Prism single tilt, plastic target, metal yoke.	$183.00	**$130.00**
632012M	CST Prism single tilt holder and target only	81.00	**65.00**
632011	CST Prism only 2.5″ with 5/8″ x 11″ mounting	124.00	**97.50**
632015	CST Target Only for 632010M Series	36.00	**31.00**

CST OPTIMA SERIES PRISMS "LIFETIME WARRANTY"

Designed to optimize performance and maximize value. 0/30mm offset and 2.5″ diameter prisms. With a tilting all metal yoke and target. The same color choices are available as the universal series.

Please specify color when ordering Prisms and Targets

Product	Description	List Price	SALE
631010	CST Prism single tilt with target all metal	$215.00	**$140.00**
631012	CST Prism single tilt holder and target only.	90.00	**71.50**
632011	CST Prism only 2.5″ with 5/8 x 11″ mounting . . .	124.00	**97.50**
631015	CST Target Only for 631010M Series	45.00	**39.00**

CST MINI PRISM

The peanut pack is a complete and versatile mini prism system. Single tilting with target and bubble, plumb bob cord mount, 1″ diameter, all metal construction, convenient carry pouch. Color choices, orange or yellow.

Product	Description	List Price	SALE
651500M	CST Prism mini package all metal.	$180.00	**$130.00**
651503M	CST Prism mini tilting holder and target only . . .	74.00	**63.50**
651512	CST Prism mini prism only	109.00	**92.50**
651516	CST Prism mini plumb bob mount only	25.00	**21.50**
651507	CST Prism mini point and hook only.	15.00	**13.50**

AERVOE MARKING PAINTS

Aervoe Marking Paints are guaranteed to give you professional results! Used to identify or highlight almost any surface. Upside-down spray paints are designed to clearly and effectively mark construction sites, underground locations and much more. Aerosol cans will completely empty, providing full usage of the contents. Each can comes with a spray thru cap that provides protection against accidental discharge.

The following is a complete listing of the Aervoe paints we carry and costs. We hope you find this information of value and if we can be of further assistance please feel free to contact us. Your business is greatly appreciated. For Bulk purchase please call for special pricing and freight terms.

Construction Marking Paint

A high quality marking paint priced competitively to meet a variety of marking applications while providing good color visibility and durability. Lasts for up to 3 months at a reasonable price. 32 degrees operational spec. 20 oz. can with 17 oz. fill – 12 cans per case.

15255	White
15253	Fluor. Yellow
15246	Fluor. Red
15247	Fluor. Orange
15248	Fluor. Green
15249	Fluor. Pink
15250	Fluor. Blue

1-12 cans	**SALE $2.75 per can**
13-120 cans	**SALE $2.65 per can**
121+ cans	**SALE $2.55 per can**

Can mix and match colors to get maximum discounts.

All Purpose Marking Paint

A good, all purpose paint is economically priced to provide a very cost effective approach to marking and still provide a good visibility in the 2 month range. 32 degree Fahrenheit spec. 20 oz aerosol can with a 15 oz fill.

1387	White
1390	Fluor. Red
1391	Fluor. Green
1392	Fluor. Orange
1393	Fluor. Yellow
1394	Fluor. Blue
1399	Fluor. Pink

1-12 cans	**SALE $2.57 per can**
13-120 cans	**SALE $2.47 per can**
121+ cans	**SALE $2.37 per can**

Can mix and match colors to get maximum discounts.

Paint Application and Holders

15245 Aervoe Marking Stick is constructed of a tough durable plastic and lightweight steel for single-hand operation. Intended for upside down marking only.

15244 The Spot Marker is a hand held marking gun provides accuracy and control for either upright or upside down marking.

85809800 (standard) / 809810ORG (4 pocket) Choose between a standard spray can holder or a holder with updated features like 4 pockets for pens/pencils, rule and a heavy web strap

800 Aervoe Vers-A-Striper is a lightweight heavy duty applicator for Aervoe aerosol striping paint. Stripe widths up to 4". For use on hard surfaces such as asphalt and concrete.

RRPA182 Keson Roadrunner Paint Marking Wheel features an easy to read 5 digit counter that measures 9,999 feet and 11 inches without resetting. Units are feet and inches. 2 wheels with a circumference of 18'. 6" diameter wheels.

PA35 Spray Applicator for Paint

15244	Spot Marker 11"	**SALE $9.50**
15245	Marking Stick 38" with Wheel.	**SALE $19.50**
85809800	Can Holder with Belt Loop	**SALE $8.95**
800	Vers-A-Striper Applicator.	**SALE $79.95**
PA35	Spray Applicator for Paint.	**SALE $18.00**
809810ORG	Spray Paint Can Holder with Accessory Pockets. .	**SALE $15.35**
RRPA182	Paint Marking Wheel with Counter	**SALE $67.50**

Survey Marking Paint

A superior upside-down marking paint that is designed for survey marking. It provides the best quality paint in terms of color visibility and retention, durability and a lasting mark up to 6 months. Contains a non-freezing formula operational to 14 degrees Fahrenheit. 20 oz. can with 17 oz. fill -12 cans per case.

15200	Clear	***15222***	Fluor. orange
15202	Yellow	***15224***	Fluor. green
15206	Black	***15226***	Fluor. yellow
15207	White	***15227***	Fluor. blue
15210	Silver	***15229***	Fluor. pink
15220	Fluor. red		

1-12 cans . . . . . SALE $3.07 per can
13-120 cans . . . . . SALE $2.95 per can
121+ cans . . . . . SALE $2.82 per can
Can mix and match colors to get maximum discounts.

Marking Chalks

A quick temporary marking chalk for use where limited exposure is desired. Can be cleaned with water pressure or a broom and detergent. Will not harm turf.

15214	Blue
15215	White
15216	Red
15217	Orange
15218	Yellow
15219	Green

1-12 cans . . . . . SALE $3.12 per can
13-120 cans . . . . . SALE $2.98 per can
121+ cans . . . . . SALE $2.85 per can
Can mix and match colors to get maximum discounts.

Aervoe Striping Paint

Aervoe solvent based STRIPING PAINT is designed to adhere to a variety of surfaces, especially asphalt and concrete.

Fast drying, Durable, long lasting colors, VOC compliant and lead free, non-clogging spray tip, "EXCELLENT" resistance to traffic, oil and gasoline. One case (12 cans) will yield a 4 inch stripe approximately 800 linear feet. Ideal for parking lot, warehouse aisle, school yards, tennis courts, fairgrounds, baseball and track fields – do not use on grass, etc. as it will burn. (For athletic field usage on grass fields etc. please call for information on special water-based striping paint).

Solvent Based Striping Paint

15710	Traffic White	***15750***	Traffic Blue
15720	Traffic Yellow	***15760***	Traffic Green
15730	Traffic Red	***15770***	Asphalt Black
15740	Traffic Orange		

1-12 cans . . . . . SALE $3.90 per can
13+ cans . . . . . SALE $3.75 per can
Can mix and match colors to get maximum discounts.

Tree Marking Paint

Specially formulated, long lasting, lead-free paints that meet all marking requirements for the forestry industry.

Does not contain – Lead, Toluene or Methylene Chloride. Fast drying high solids formula. Excellent adhesion and visibility. Excellent for horizontal numbering, lettering or writing. Heavily pigmented to provide bright visual identification at distances. Ideal for inventory and lumber identification marking of cut wood, trees, logs, railroad ties, pulpwood and finished lumber.

16 oz. aerosol cans with 12 oz. fill

620	Orange	***670***	White
630	Yellow	***691***	Fluor. Pink
650	Blue	***692***	Fluor. Orange

1-12 cans . . . . . SALE $3.50 per can
13+ cans . . . . . SALE $3.30 per can
Can mix and match colors to get maximum discounts.

Stake Flags

Presco stake flags are glued to a 16 gauge steel stake. The flags are made with the same quality material as the roll flagging to insure bright, long lasting color. Custom printed flags are available, call for info.

- Available in two lengths and flag sizes
- 36″ stake with 4″ x 5″ flag
- 30″ stake with 2″ x 3″ flag
- Sold in bundles of 100

SALE $6.25
30″ stake with 2″ x 3″ flag

7302301	Glo orange
7302302	Glo pink
7302303	Red
7302304	Blue
7302305	Yellow
7302306	White
7302307	Green
7302308	Glo lime

SALE $7.25
36″ stake with 4″ x 5″ flag

7364501	Glo orange
7364502	Glo pink
7364503	Red
7364504	Blue
7364505	Yellow
7364506	White
7364507	Green
7364508	Glo lime

Quick Stakes

1″ x 10″ Rigid Corrugated Plastic Board with 20″ long 9 gauge galvanized steel rod for easy ground penetration. Can also be tapped into asphalt. Notched for splicing up to 40″, 3 dimensional. Available in 8 different colors.

A lightweight alternative to wooden stakes.

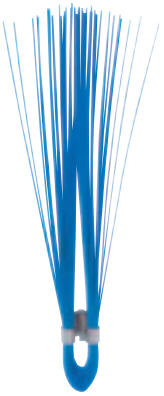
QUICKSTAKEOR . . .	***Orange***
QUICKSTAKEPK. . . .	***Pink***
QUICKSTAKEYL. . . .	***Yellow***
QUICKSTAKEWH. . .	***White***
QUICKSTAKERD . . .	***Red***
QUICKSTAKEBL. . . .	***Blue***
QUICKSTAKEGR . . .	***Green***
QUICKSTAKEBR. . . .	***Brown***

$26.00 per case (100 per case)

HI-VIS Line Marker

Can be used in almost any application that you would use regular roll flagging for… utility, construction, forestry, trail marking, surveying, etc. Higher visibility gained through use of four separate strands of different colors of roll flagging which are heat sealed and perforated every 13″ for easy tearing. Temperature rated to -40 degrees F. Packaged in a clam shell container with 2 rolls per container - 15 markers per roll (30 total per clam shell)

743100 Hi-Viz Line Marker . . . . . **$14.95 per Clam Shell (2 rolls per)**

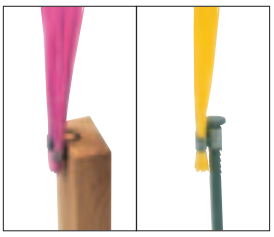


Whiskers

Presco 6 inch Marking Whiskers are an alternative marking choice for survey and construction sites, underground utilty locating and many other uses. Virtually indestructible, these APWA color-code Marking Whiskers spring back up when run over by graders, heavy equipment etc. They are easily attached to wood stakes or nails. Use alone or in conjunction with other marking products. Can be paved over at end of project.

Sold in box of 1000 whiskers (40 bdl) or bundles of 25 per bdl.

$118.00 per box (one color)
$3.35 per bundle



W6OG . . Orange Glo Color
W6PG . . Pink Glo
W6B. . . . Blue
W6Y. . . . Yellow
W6R. . . . Red
W6G . . . Green

Aerial Paneling

For aerial mapping and surveying jobs, Presco AERIAL PANELING/AERIAL TARGETS can be easily placed along a predetermined perimeter of an area to be photographed. These reusable, 4 Mil PVC panels save time and labor costs in your aerial projects.

Aerial Paneling

65512 12″ x 300′ Black/White Paneling
SALE $48.00 per roll
(3″ black ends and 6″ white center)

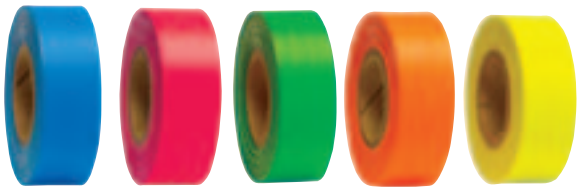
65524 24″ x 300′ Black/White Paneling
SALE $64.00 per roll
(6″ black ends and 12″ white center)

1600612W 12″ x 300′ White Only **SALE $22.95**
1600618W 18″ x 300′ White Only **SALE $31.75**
1600624W 24″ x 300′ White Only **SALE $39.95**

Aerial Target

65048 48″ x 48″ Aerial Target in Black/White
SALE $21.50 each
(Reinforced grommets in each corner)

Flagging



Presco Texas brand flagging is lead free and exceeds all state and federal specifications. Texas brand flagging provides exceptional strength and superb visibility. Texas brand flagging can withstand temperatures to -20 degrees before cold cracking.

- Extra coloring for longer life and more color vividness
- More material per foot for more tensile strength
- Added plasticizers for increased flexibility and cold weathering.
- Roll sizes 1-3/16″ wide, Glo 150′ long, Standard 300′

Striped

741001

Glo Colors
741010 Glo Orange
741011 Glo Pink
741012 Glo Lime
741013 Glo Blue
741014 Glo Green
741015 Glo Yellow
741017 Glo Red

Standard Colors
741200 Purple
741212 Red
741213 White
741214 Blue
741215 Yellow
741216 Orange
741217 Green

QUANTITY	SALE PRICES
1-24 rolls	$1.14 per roll
25-144 rolls	$1.09 per roll
145+ rolls	$1.04 per roll

741001 Roll Flagging dispenser… $9.95 each

Striped colors
741006 Glo Orange/Black
741066 Glo Pink/Black
741023 Red/White
741026 Yellow/Black
741043 Blue/White

SALE PRICES
1-24 rolls $1.54 per roll
25-144 rolls $1.49 per roll
145+ rolls $1.44 per roll

ARCTIC GLO Colors – 1 3/16″ x 150′
(withstand temps to -40F)
742010 Glo Orange
742013 Glo Blue
742011 Glo Pink

SALE PRICES
1-24 rolls $1.59 per roll
25-144 rolls $1.54 per roll
145+ rolls $1.49 per roll

Can mix and match colors to get maximum discounts.

Printed Roll Flagging

Presco Printed Roll Flagging provides additional messaging to reinforce your non-verbal communication. Printed on our Matte grade material, this roll flagging endures temperatures at or below -20ºF.

		SALE PRICES
741011PL	Pink Glo Flagging with PROPERTY LINE Printed in BLACK on roll 1 1/2″ x 150′ roll…	**$1.75 per roll**
741010WB	Orange Glo Flagging with WETLAND BOUNDARY Printed in BLACK on roll 1 1/2″ x 150′ roll…	**$1.75 per roll**

APWA Non-Detectable Underground Warning Tape

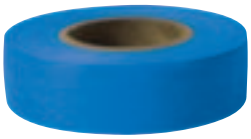
Used to protect valuable underground assets such as electric line, gas pipes, and communication cable. Tape is buried above the utility line to prevent damage. Rolls are 3″ or 6″ by 1000′ roll, 4MIL thickness.

3″ roll– $13.95 per roll
6″ roll– $25.95 per roll
(Specify legend when ordering.)

CAUTION BURIED ELECTRIC LINE BELOW – RED
CAUTION BURIED WATERLINE BELOW – BLUE
For legends not shown please request information

Biodegradable Flagging

Made of non-woven cellulosic material derived from wood pulp, this flagging is completely non-toxic to humans, animals and the environment. Complete degradation will occur outdoors in 6 to 24 months depending on environmental and climatic conditions. One inch roll by 100 foot length. Standard colors ONLY.



743000	Blue	**$1.49 per roll**
743001	Orange	**$1.49 per roll**
743002	Red	**$1.49 per roll**
743003	White	**$1.49 per roll**
743004	Yellow	**$1.49 per roll**
743005	Pink	**$1.49 per roll**

Barricade Tape

Used to identify dangers or give special instructions. Black on yellow or black on red color depending on message. Rolls are 3″ width by 1000′ roll, 3 MIL thickness.

741310	Caution Tape Yellow/Black	**$9.75**
741311	Danger Tape Red/Black	**$9.75**

Dixon Marking Products

Dixon RediMark™ Metal Case Markers

Excellent durability!! 6″ metal barrel is perfect for harsh use. Won't crack, melt or break. Leak-proof, seamless metal body. Chisel point with permant ink are an industry standard.

		SALE
587180	Blue, chisel point, metal barrel	**$14.75 per dz.**
587170	Black, chisel point, metal barrel	**$14.75 per dz.**
587110	Red, chisel point, metal barrel	**$14.75 per dz.**

500500

Dixon Lumber Crayon "Keel"

Dixon's lumber crayons are made of quality materials. This results in smoother writing that will last thru harsh conditions. Won't melt in direct sunlight. Will work on wet (green) lumber or dry wood, metal, concrete and most other surfaces. Hexagon shape 4″ long. Sold in boxes of 12.

		SALE
549600	Yellow lumber crayon	**$6.95 per dz.**
549200	Pink lumber crayon	**$6.95 per dz.**
549400	Black lumber crayon	**$6.95 per dz.**
552300	White lumber crayon	**$6.95 per dz.**
552000	Red lumber crayon	**$6.95 per dz.**
552100	Blue lumber crayon	**$6.95 per dz.**
552600	Fluorescent Pink lumber crayon	**$6.95 per dz.**
500500	Lumber crayon holder, wood	**$4.25 ea.**

Dixon Paint Markers

Dixon's Paint Markers produce opaque colors on most surfaces. These oil based markers are lightfast, waterproof and weatherproof. Sold in boxes of 12.

		SALE
80221	Red Paint Marker	**$27.95 per dz.**
80222	Orange Paint Marker	**$27.95 per dz.**
80223	Yellow Paint Marker	**$27.95 per dz.**
80227	Black Paint Marker	**$27.95 per dz.**
80228	Blue Paint Marker	**$27.95 per dz.**
80229	White Paint Marker	**$27.95 per dz.**

Markal Marking Products

Markal Solid Paint Markers

Real lead free paint, in stick form: combines long lasting durability of paint with ease of use of a crayon. Marks on smooth, rusty, dirty or rough surfaces. For use on wood, metal, concrete, plastic, cardboard, paper etc. Weather and UV resistant. Sold in boxes of 12.

80220B	White B Paintstik®	**SALE**	**$10.95**
80221B	Yellow B Paintstik®	**SALE**	**$10.95**
80222B	Red B Paintstik®	**SALE**	**$10.95**
80223B	Black B Paintstik®	**SALE**	**$10.95**
80224B	Orange B Paintstik®	**SALE**	**$10.95**
80225B	Blue B Paintstik®	**SALE**	**$10.95**
102	6″ Pushbutton Holder for Paintstiks B	**SALE**	**$ 9.50**

Markal Pro-EX Contactors Grade Lumber Crayon

High volume lumber crayon users love the feel of this "clay" based crayon. Stronger formula for reduced breakage. Lead free. For use on dry or wet wood, concrete, cardboard etc. Sold in boxes of 12.

80380	White Pro-EX Lumber Crayon	**SALE**	**$8.50**
80381	Yellow Pro-EX Lumber Crayon	**SALE**	**$8.50**
80382	Red Pro-EX Lumber Crayon	**SALE**	**$8.50**
80383	Black Pro-EX Lumber Crayon	**SALE**	**$8.50**
80384	Orange Pro-EX Lumber Crayon	**SALE**	**$8.50**
80385	Blue Pro-EX Lumber Crayon	**SALE**	**$8.50**
80387	Pink Pro-EX Lumber Crayon	**SALE**	**$8.50**

Markal Dura-Ink® #25 Felt Tip Markers

King size chisel tip markers for broad or fine lines. Heavy duty metal barrel. Use on wood, cardboard, metal, paper, glass etc. Thin side (fine) 1/8″, Thick side (broad) 1/4″.

		SALE
96223	Dura-Ink King Size Chisel Tip Marker Black (12 per box)	**$24.50 per box**
96233	Dura-Ink King Size Chisel Tip Marker Black	**$2.50 ea.**

IDEAL Markers

Valve Action Indelible Marking Pen. Replaceable tips, bullet style, aluminum cap and pocket clip on each marker. Black color with 12 markers per box.

		SALE
2820380	Black Ideal Marker (12 per box)	**$28.50 per box**
61423	Bullet Replacement Tips (12 per pkg.)	**$7.50 per pkg.**

Spectra Precision HV401

Horizontal/Vertical Laser

Tough, highly versatile Interior and General Construction Laser.

The highly visible, multi purpose HV401 is an advanced laser with exceptional accuracy and durability for interior and general construction projects. Replace the conventional method of stringlines and optical instruments – the HV401 gives you easy setup and one person operation in a variety of commercial applications.

Interior – The interior package allows you to work with common construction materials such as drywall, wall anchors and reference marks. Features a multi use mount for ceiling installation and drywall framing. HV401 provides a permanent, hands free reference for hanging ceilings in large rooms so you can complete the job with one setup.

General Construction – For general construction applications such as leveling of concrete and concrete forms, layout of excavation lines, aligning concrete forms and performing as-built checks. An economical choice for both elevation control and vertical alignment tasks.

HV401	Interior Laser Package	List price $1925.00	**SALE PRICE $1540.00**
HV4014	General Construction Package W/HL700 Receiver	List price $2275.00	**SALE PRICE $1820.00**

Lasers Grade/Slope

Trimble GL700

The GL700 Series gives you the right laser for the right job… from an economical single grade transmitter to an advanced, long-range radio remote controlled steep grade transmitter. Further, the GL700 Series offers the most innovative collection of features ever available—

Long-Range Remote Control, PlaneLok, Grade Matching, Automatic Axis Alignment

To let you get to grade faster and with more accuracy. On site, you'll find that the advanced features quickly translate into productivity and accuracy. Complex alignments are automatic and virtually foolproof. With the powerful, long-range remote control option it only takes one person to accurately set up and operate the grade laser. Even grade reverse is done in an instant. And for the first time, you can automatically control all the transmitter functions from inside the cab of a machine.

GL710 Single Grade. . . . . List Price $4495.00

An easy-to-learn, easy-to-use, one-person grade laser, economical and accurate up to a 900 m (3,000 ft) diameter. Ideal for general construction, site preparation, trenching and pipe-laying applications.

PLEASE call for Sale Prices

GL720 Dual Grade . . . . . List Price $5295.00

This economical choice has +/-10% in the X axis grade range and -0.5 to +25% Y axis grade range with high accuracy up to a 900 meters (3,000 ft) diameter. Ideal for general construction and machine control grade applications.

GL722 Dual Grade. . . . . List Price $6995.00

With Long-Range Radio Remote and with the same range and base capabilities as the GL720, the GL722 includes the benefits of the full Radio Remote functions… plus automatic alignment capability. Ideal for general construction, site preparation and road construction.

Spectra Precision HV301 Series Laser

New Multipurpose Construction Laser for Interior and Exterior Applications

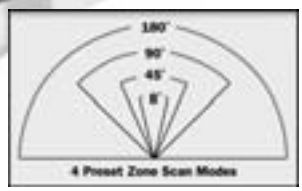
The automatic, self leveling Spectra Precision Laser Series HV301 is an economical laser with exceptional versatility and visibility. Whether your job site is indoors or outdoors, the HV301 Series is capable of handling a wide variety of horizontal, vertical and plumb applications. Its high visibility beam enables 90-degree simultaneous rotating and plumb/perpendicular references. A bright beam is easy to see for 1 meter (4 foot) marking applications, even in brightly lit interiors.

Laser accuracy is (+/- 1/8in. at 100ft.) with operating range of 1,000ft. diameter. Electronic self leveling feature with a self leveling range of +/-5 degrees. Battery life is 30 hours Ni-Cad, 40 hours alkaline with a red LED battery status light. Four rotation speeds of between 10 to 600rpm - out of level warning too where laser will shut down if out of range of compensation spec. Operating temperature is 23 degrees F to 113 degrees F. Waterproof spec is IP54 and weight of unit is 6 lbs. Comes w/ one year warranty.

HV301 Construction

***The HV301 General Construction Package** includes the HV301 Laser, rechargeable batteries, charger, hard case, manual and HR350 receiver.*

HV301 Construction Package. . . . . .
List $1335.00 **SALE $1068.00**



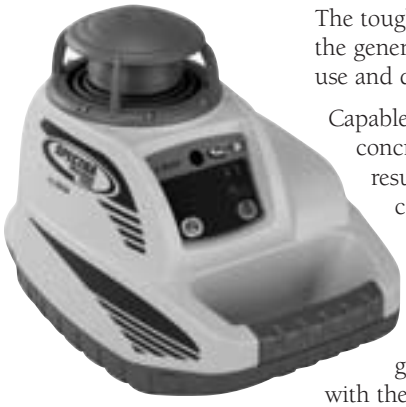
HV3011 Interior

***The HV301 Interior Package** includes the HV301 laser, 360 degree IR Remote control, rechargeable batteries, charger, wall mount, ceiling target, hard case and manual. Specifications are the same for the HV301 as listed in Construction package.*

HV3011 Interior Package List $1395.00 **SALE $1116.00**

For additional accessories on either package please call for information.

Spectra Precision LL300 Series Laser



The toughest laser level you will ever own. Built for the general contractor who needs accuracy, ease of use and durability.

Capable of surviving drops of up to one meter on concrete. Full weatherproofing and dustproofing, results in reduced downtime and lower repair costs over the products life.

Self leveling laser with an optional RC601 remote control. The RC601 remote control gives you an option of matching slopes or having slopes-on-grade. It also offers single-axis slope including laser's HI control with the other axis continuing to level its self.

Great for elevation control across the site, excavations, basic slopes, leveling forms and footers, concrete pours etc.

The LL300 Package includes the LL300 laser, HR350 Receiver, alkaline batteries, case and manual.

Laser accuracy is +/- 3/32″ per 100 ft., Self leveling range of +/- 5 Degrees, rotation speed of 600RPM, Battery life 90 hours – alkaline, 1000ft. diameter range, out of level HI warning, 5/8 x 11 for tripod, Visible spotting beam, operating temp range -4 to 122 degree F, IP54 dust and waterproof spec, all with a one year warranty.

LL300 Laser Level Package . . . . . List $925.00 **SALE $740.00**
RC601 Remote Only . . . . . **SALE $115.00**
HR350 Receiver w/Rod Clamp Only . . . . . **SALE $205.00**

Spectra Precision LL400

The fully automatic, self leveling Spectra Precision LL400 Laser sets a new standard in rugged reliability, handling a wide range of general and concrete construction applications. The rugged LL400 can withstand drops from three feet onto concrete and tripod tip-over up to five feet. This strength combined with full weatherproofing and dustproofing results in reduced downtime and lower repair costs. Self-leveling capability and also features a single axis slope mode to allow slopes on grade, while maintaining accuracy.

Specifications

Accuracy	± 1/16 inch at 100 ft.
Operating diameter	2600 ft.
Power source	4 D-Cell 1.5 volt alkaline battery
Battery life	90 hours at 70 degrees
Water resistant	Yes, IP66 Spec
Warranty	2 Year

LL400	Laser, HL700 receiver and case	List price $1495.00	**SALE PRICE**	**$1196.00**
LL40010	Laser, CR600 receiver and case	List price $1795.00	**SALE PRICE**	**$1436.00**

Spectra Precision LL500

Accurate, stable and very reliable, the LL500 is the ideal one-person leveling system for a range of everyday elevation measurements, including setting and adjusting elevations, taking grade shots, and excavating. Designed for the jobsite, and reliability even in the harshest of conditions, today more and more contractors around the world use the LL500 to increase productivity and profitability. The HL700 receiver is fully waterproof, lightweight and can withstand a drop of 10 feet. The LED display and dual sided laser reception allow you to work where it is convenient.

Specifications

Accuracy	± 1/16 inch at 100 ft.
Operating diameter	1600 ft.
Power source	4 D-Cell 1.5 volt alkaline battery
Battery life	55 hours at 70 degrees
Water resistant	Yes
Warranty	2 Year

LL500	Laser, HL700 receiver and case	List price $1495.00	**SALE PRICE**	**$1196.00**
LL50010	Laser, CR600 receiver and case	List price $1795.00	**SALE PRICE**	**$1436.00**

Spectra Precision LL200

Easy to learn and use, the LL200 is a one-person leveling system for elevation measurements on the job site. The LL200 can perform any two-person leveling task with just one person. Everything is included in one carrying case: Laser, tripod, receiver and rod. The LL2004 features a three screw-leveling base on the laser, an HR250 receiver and a carry case small enough to fit behind the seat of a truck. The LL2004 is ideal for the contractor who already has a 5/8 x 11 tripod and grade rod.

Specifications

Accuracy	± 3/32 inch at 100 ft.
Operating diameter	430 ft. short axis/1000 ft. long axis
Power source	1 D-Cell 1.5 volt alkaline battery
Battery life	100 hours at 70 degrees
Water resistant	Yes
Warranty	1 Year

LL200	Laser, attached tripod, 3-section rod in 10ths, HR250 receiver and case	List price $845.00	**SALE PRICE**	**$785.50**
LL2001	Laser, attached tripod, 3 section rod in 8ths, HR250 receiver and case	List price $845.00	**SALE PRICE**	**$785.50**
LL2004	Laser, HR250 receiver and case	List price $745.00	**SALE PRICE**	**$692.50**

Spectra Precision GL412/GL422 Grade Lasers

Rugged Grade laser with Two-Way Radio Remote Offers Superior Grade, Level and Vertical Capabilities

The Spectra Precision GL412 (Single Grade) laser and the GL422 (Dual Grade) laser are cost effective, automatic self leveling lasers that do three jobs–Level, Grade and Vertical Alignment with Plumb. Both models feature 2-way, full-function remote control with a built-in back-lit grade display. You can do everything with the remote control that you can do with the laser keypad.

The ability to make grade changes from anywhere on the job greatly reduces setup and speeds operation. Additionally, these lasers self plumb in the vertical position allowing a wider range of applications. Both units incorporate automatic temperature and grade compensation for high accuracy in most weather conditions or geographical locations.

Accuracy is 1/16″ at 100′ with operating diameter of 2600′ for the GL422 and 2000′ for the GL412. Electronic self-leveling and 3′ drop height on concrete. Grade range is -10 to +15% for Dual Axis and Single Axis models. Grade accuracy at 100′ is 1/8″. Remote control range is 330′. Operating temperature is -4 to +122 degrees F. Weight is 6.8 lbs. Two year warranty and more!

Lasers come with HL700 Receiver, RC402 Remote, charger, batteries, case and manual.

		List	SALE
GL412	Single Grade Laser	$2395.00	**$1916.00**
GL422	Dual Grade Laser	$2995.00	**$2396.00**

APACHE Maker of the World's Toughest Laser Detectors

Unmatched performance and versatility. The World's toughest detectors with a 3-YEAR "No Excuses" Warranty

CYCLONE

- Works with all rotating lasers
- 100% waterproof IP67
- Shockproof
- 2000′ working radius
- 7 distinct accuracy levels
- LCD backlighting, front/rear
- Battery – 90 hours continuous AA batteries
- Reception angle +/-45 degrees
- And More!

99155009
Cyclone Detector/Clamp
List $325.00 **SALE $269.50**

ATI 21100000
Model 62 Clamp only
List $40.00 **SALE $36.95**

STORM LASEROMETER

- Works with all rotating lasers
- 100% waterproof IP67
- Digital readout – Tells you how far you are high, low or on- grade. See Photo
- 5 distinct accuracy levels
- 1000′ working radius
- LED Grade indicators – Front, Green on-grade – Red Hi/Low
- Reception angle +/-45 degrees
- Operating Temp. -4 F to +140 degrees F
- Battery – 60+ hours continuous use AA batteries
- Capture Function for when you can't see display
- And More!

ATI99400009
Storm Detector/Clamp
List $375.00 **SALE $329.50**

ATI40010002
Storm Clamp only
List $40.00 **SALE $36.95**

Spectra Precision HL700 Receiver

An ideal receiver for general construction work. This highly flexible receiver can be used as a handheld or rod mounted.

- Works with all rotating lasers
- 100% waterproof IP67
- Digital readout – Tells you how far you are high, low or on- grade. See Photo
- 5 distinct accuracy levels
- 1000′ working radius
- LED Grade indicators – Front, Green on-grade – Red Hi/Low
- Reception angle +/-45 degrees
- Operating Temp. -4 F to +140 degrees F
- Battery – 60+ hours continuous use AA batteries
- Capture Function for when you can't see display
- And More!

HL700 Receiver and bracket . . . **SALE $335.00**
ATI40010002 Bracket only . . . . **SALE $36.95**

Spectra Precision CR600 Receiver

Ideal receiver for long range of general construction and site preparation work. This receiver can be used as a handheld, rod mounted or magnetically clamped onto a machine.

- Ultra rugged magnesium housing
- 15 channel linear LCD display for easy offsets
- 5 channel super bright LED display for reading over a long distance or at an angle
- Wrap around 270 degree photocells
- Up to 1500′ operating range
- Complete w/C50 Clamp, C51 Magnetic mount and manual

CR600 Receiver, clamp and magnetic mount.
SALE $590.00
C50 Rod clamp only
SALE $27.50
C51 Magnetic mount only
SALE $27.50

PLS HVR505G Green Beam Rotary Laser

Great for Foundations, Metal studs, curtain walls, Acoustic ceilings and more.

Features:

- Fully automatic self leveling
- Maximum Visibility for your mid to Long range Layout projects
- Dual Axis Slope
- Horizontal and vertical applications
- Range 500′
- Accuracy 1/8″ at 100′
- Class IIIA Laser
- Indoor/Outdoor Use
- One year limited warranty
- Complete w/Laser, remote control, laser detector, ceiling bracket, Ni-Cad batteries and charger

HVR505G Green Beam Laser Package
SALE $1329.00

Spectra Precision DG511/DG711

Your job sites involve some of the harshest conditions found in any industry. You need equipment that can stand up to corrosion from acids, chemicals, salts and other destructive underground elements as well as to the physical abuse typical in the construction industry. The Spectra Precision Laser DG711 and DG511 pipe lasers from Trimble are designed with these conditions in mind. Built tough for long-lasting performance and reliability, the DG711 and DG511 pipe lasers are completely waterproof and designed to ensure easy cleanup. They are also easy to assemble with a full range of setup accessories available, and easy to use with straightforward, "no-instructions-required" controls. They even keep track of their own maintenance needs, notifying you at regular intervals (you decide how often) when it's time for a check-up. The DG711 and DG511 pipe lasers are simply the toughest, smartest tools you'll ever own!

SELF-LEVELING: The DG711 and DG511 the largest automatic leveling range in the industry providing quick, easy set-ups, regardless of grade. Unlike traditional pipe lasers, they eliminate the need for rough leveling and minimize crew training. Simply set up the laser in the pipe, manhole or open cut without the need to swivel or rough leveling the unit. No need to reset the unit or HI, over the center point when rough leveling.

LINE ALERT: This unique feature is ideal for working in high-vibration or wet conditions where the pipe lasers may be disturbed. The beam flashes to notify you that the setup line has been disturbed, eliminating the necessity of rework. Combined with the self-leveling warning, you'll always complete the job correctly, on time and on budget! Only available on the DG711.

LINE SET: The Line Set/Check capability of the pipe laser allows you to raise the beam outside of the trench for fast line setup or checking. Raising the laser beam out of the trench to an above-ground stake saves you time—instead of having to move the excavator off line during setup of the pipe laser, you can just get on with your job. In addition, the Line Set-Check feature is ideal for rechecking the line in pipe jacking puts after each push. Only available on the DG711. Our patented Target Lens collects the beam and transfers the spot up at the angle viewed by the pipe layer, making it very easy to see the laser beam.

Warranty (DG511) 1 Year / Warranty (DG711) 2 Years

DG511 Pipe Laser with RC501 remote, and feature NIMH rechargeable battery and smart charger, 956 target with 2 elements, 8" invert plate, case and manual

List price $4995.00 **SALE PRICE $3996.00**

CUGSDG5115 Pipe Laser with RC501 remote, NIMH rechargeable battery and smart charger, 956 target with 2 elements, 8" invert plate, 1230 metal plate with adjustable legs, 1239 vertical pole, case and manual

List price $5390.00 **SALE PRICE $4312.00**

DG711 Pipe Laser with RC502 remote, NIMH rechargeable battery and smart charger, 956 target with 2 elements 8" invert plate, case and manual

List price $5595.00 **SALE PRICE $4476.00**

CUGSDG7115 Pipe Laser with RC502 remote NIMH rechargeable battery and smart charger, 956 target with 2 elements 8" invert plate, 1230 metal plate with adjustable legs, 1239 vertical pole, case and manual

List price $5990.00 **SALE PRICE $4792.00**

The following are accessory items for the Spectra Precision DG711/511 Pipe Lasers

956

RC501

RC502

1230

1239

956 Pipe Laser Target
with 2 elements – one small/ one large

Patented target lens collects the beam and transfers the spot up at the angle viewed by the pipe layer, making it easy to see the laser beam

SALE PRICE $90.00

9561 Set of spare pipe laser elements

Only one small/one large

SALE PRICE $49.00

RC501 3-Button Line Remote for DG511/711

Long range remote line transmitter for power and line

SALE PRICE $280.25

RC502 7-Button Line Remote for DG711 only

Long range remote for line, grade and power

SALE PRICE $403.75

1230 Heavy duty invert plate

Designed to provide a simple means to self center the laser in pipes from 10-15 inch diameter range or to be used as a stable base for open cut setups with the 1239 pole kit. Eliminates the need for multiple foot screws

SALE PRICE $209.00

1239 Extended height vertical pole kit

Attaches to all mounting plates and T-bars to set laser at the correct elevation in open cut, flat bottom, or drop manholes. Kit includes leveling feet for the 1230 invert plate

SALE PRICE $232.75

1244 T-bar
Used in manholes and large pipes with diameters from 42-80 inches. Provides secure mounting for high theft or vibration areas
SALE PRICE $427.50

1017 Manhole mount
Attaches to manhole cone or riser so any 5/8 x 11 instrument can easily be plumbed over pipe laser
SALE PRICE $451.25

P23B NIMH Battery pack
For DG711 only
SALE PRICE $190.00

P23 NIMH Battery pack
For DG511 only
SALE PRICE $190.00

P20B Alkaline pack
For DG711 only
SALE PRICE $80.75

P20 Alkaline pack
For DG511 only
SALE PRICE $80.75

P21 12V DC Battery cable w/Alligator clips
SALE PRICE $90.25

12818220 Smart charger 110V
NIMH or NICAD, D-cell for DG711/511
SALE PRICE $71.25

Spectra Precision HV101 Series Laser

The HV101 is a professional tool with an economical price tag. Can handle a wide variety of horizontal, vertical and plumb applications.

Automatically self levels in the horizontal and vertical planes. Sends a continuous 360 degree laser reference to entire work area. Highly durable construction enables the laser to survive a drop up to 1 meter onto concrete. IP54 environmental specs.

Multiple scanning angles and rotating speeds to match various conditions. Manual slope control to match known references. Uni-mount feature allows for application setups.

SPECIFICATIONS:
Class 3A laser, Laser accuracy +/- 1/8″ at 100 ft., Operating range of 100′ without receiver – 1000′ with receiver, self-leveling range +/- 5 degrees, Electronic self-leveling, 2 D cell alkaline batteries, battery life 50 hours, 4 different rotation speeds, 5 pre-set scan angles, out of level warning shuts down laser, warranty – 3 year limited, weight 3.3 lbs., temp range 23 degree – 158 degree fahrenheit.

HV101 Interior Laser Package
Laser, case, 360 degree IR remote control, Wall mount, ceiling target, laser glasses, alkaline batteries, Operators manual.
List Price $650.00 **SALE PRICE $520.00**

HV1014 Universal Package
Same as HV101 plus HR150 receiver with rod clamp, Alkaline batteries and manual
List Price $775.00 **SALE PRICE $620.00**

HR150 Receiver and bracket only
List Price $150.00 **SALE PRICE $127.50**

60ALQR20

Quick Clamp Aluminum Tripods by CST

Features:

- Lightweight and durable aluminum hinge, clamp and shoe castings
- Hinges are attached with screws, not rivets
- Heavy-duty poly-webbing shoulder strap
- Electrostatically powder painted castings for a durable and long-lasting finish

For the discriminating user, CST's quick clamping tripods offer the best clamping system available: sure locking, quick action, easy to use. All feature adjustable clamping tension.

Aluminum

The price is Right! Our aluminum tripod has value written all over it. Only 9 lbs., this tripod is stronger and more rigid than comparable tripods. This aluminum tripod is available with a variety of thread sizes. Call for other thread sizes.

60ALQC20 63″ (160cm) open, 38″ (97cm) closed, 5/8 x 11 thread, flat head . . . **SALE $80.00**

Quick Clamp Heavy Gauge Aluminum Tripods by CST

Lightweight, heavy gauge aluminum and the added stability of double banded legs put this extension leg tripod "head and shoulders" above other aluminum tripods. Outstanding features include positive locking clamps, powder painted wear-resistant metal parts and shoulder strap.

60ALQR20 65″ (165cm) open, 42″ (107cm) closed, 5/8x11 thread, flat head, 12 lb. . . . **SALE $95.00**

60WDF20

Quick Clamp Wood/Fiberglass Tripods by CST

An outstanding combination of hard maple legs with fiberglass dowels makes this the most versatile tripod on the market. CST's fiberglass dowels are unique due to their structural plastic polystyrene core, and will not shrink or swell under changing weather or temperature conditions. Features powder painted metal parts, double banded extension legs for extra stability, and shoulder strap.

60WDF20 72″(183cm) open, 42″(107cm) closed, 5/8x11 thread, flat head, 16 lb. . . **SALE $127.50**

60WDW20HV

Heavy Duty Wood Tripod by CST

Made from the finest hardwoods available die cast aluminum metal parts, these wide-frame extension leg tripods are constructed with 1″ diameter wood dowels. Each tripod has a handhold hole in one leg and comes complete with a poly-webbing shoulder carrying strap. Tripods are expertly treated, finished, and painted-wood parts are international yellow, hardware is international orange. All tripods come with a yellow ABS plastic cap. Wing nut type clamping.

60WDW20HV 72″ (183cm) open, 42″ (107cm) closed, 5/8 x 11 thread, flat head, 16 lb. **SALE $165.00**

532117ORG

Heavy Duty, Extra Tall, Fiberglass Elevator Tripod

Use with lasers, scanners, machine control or other instruments.

Tripod has a fully extended leg height of 12.40 feet and a collapsed height of 5.97 feet. The legs and dowels are constructed of fiberglass for durability, strength and resistance to weathering. It features an adjustable center column that gives you 5.97′ of lift. Detachable round head plate with a 5/8 x 11 stud gives instrument a sturdy platform.Lockable leg stabilizer struts, dual clamps, twist locks and quick clamps, along with dual metal and rubber leg points to create greater stability. Leg strap included. Weighs 33.1 lbs.

532117ORG Heavy Duty, Extra Tall, Fiberglass Elevator Tripod
SALE $329.50

Tripod Accessories

561000

SECO Tripod Stabilizer

Designed for use when working indoors or on concrete to provide extra stability. Made of heavy duty aluminum and measures 35″ x 35″ x 35″. Collapses for compact storage

561000 Stabilizer . . . . . **SALE $79.95**

91466

CRAIN Prism Pole Tripod Case

Constructed of extremely durable fabric. Material resists sunlight, mildew, abrasion and moisture. Width is 54″ and Diameter is 9 1/2″. Extra zipper pocket for small miscellaneous items.

91466 Prism Pole Tripod Case . . . . . **SALE $42.50**

TRI-MAX® Composite Tripod

The revolutionary Tri-Max tripod by Crain, stands alone in meeting today's demanding stability requirements. Tests have confirmed that the Tri-Max, in many cases has proven to be many times more stable than conventional tripods and retains this stability without frequent adjustments. Made from ultra modern materials, an advanced fiberglass composite, the Tri-Max is built to last. FIVE YEAR warranty.

Features a large, round tripod head and large opening for plummeting purposes and MORE!

Weighs 14 lbs. and is 44″ collapsed while extending to 71".Wide frame extension leg. For additional information on this product and other Crain products not listed please contact us at your convenience.

90550 Tri-Max Standard w/Quick Clamp lock system. . . . . **SALE $309.95**

90553 Tri-Max Standard w/Dual lock system . . . . . **SALE $329.95**

SOKKIA Wide Frame Wood Tripod

A quality wood tripod made from all North American hardwood maple with metal hardware. Featuring self adjusting hinges, durable nylon bushings for smooth operation, tripod shoes with large spurs; hardened steel replaceable tips, bright yellow color and cut in carry handle.

Close to 45 3/4″ and opens to 72″.

Weight is 14.5 lbs. and is wing nut clamp style.

SOKKIA

8751252
Wide frame wooden tripod…
SALE $249.50

Tripod Hook Brackets for Data Collectors

SECO solutions to secure your Data Collector to a tripod. Include instructions and a tool to install.

519614

519614 For Ranger 300/500X,TSC2 . . . . . **SALE $18.95**
519615 For Recon . . . . . **SALE $16.95**
519617 For Nomad . . . . . **SALE $24.95**

Crain Wood/Fiberglass Tripods

Crain Wood/Fiberglass Tripods are built with quality hardwood and fiberglass materials. Available in two models. An excellent buy for a quality product. Extended length is 72.5″, collapses to 46″ 5/8″ flat head.

22217
Quick Clamp locking system
SALE $121.00

22218
Wing Nut style clamp system
SALE $121.00

Crain Heavy/ Extra Heavy Duty Aluminum Tripods

Heavy Duty tripods features round dowls where the EXTRA Heavy Duty Tripods feature a square dowel for additional support. All aluminum tripods have a durable powder coated finish. 22210 Collapsed length is 42″ and extends to 67″. 22225 and 22227 Collapsed length is 41″ and extends to 63″.

CRAIN

22210
Flat head heavy duty aluminum, Quick Clamp locking system. . . **SALE $81.50**

22225
Flat Head Extra heavy duty aluminum, quick clamp system. . . . **SALE $97.50**

22227
Flat Head Extra heavy duty aluminum, wing nut style clamp. . . . **SALE $97.50**

GT2000A Tripod

The GT2000A is Dutch Hills premier survey tripod. It features a wide frame extension leg design, fiberglass legs that don't shrink and swell in changes of moisture, mechanically fastened parts for easy replacement. ***FIVE YEAR warranty.***

Weight is 13 lbs. Legs collapse to 44″ and extends to 70.5″.

GT2000A Wide frame extension leg tripod. . . **SALE $295.00**

SECO Tripod Adapters

212000

213000

212000 Adapts 3 1/2 x 8 tripod to 5/8 x 11 **SALE $53.95**
213000 Adapts 5/8 x 11 tripod to 3 1/2 x 8 **SALE $49.95**

SECO Prism Poles and Locks

SECO prism poles are designed for specific situations or hardware needs. Whether it's a preference for carbon fiber or aluminum, SECO has it covered.

Product	Description	List Price	SALE
85550011	8.5′/2.6m 2 Section Precise Twist Lock Pole	$169.95	**$121.50**
85550021	12′/3.7m 3 Section Precise Twist Lock Pole	$209.95	**$149.95**
85550030	15.6′/4.8m 4 Section Precise Twist Lock Pole	$249.95	**$179.50**
85570010	8.5′/2.6m 2 Section Precise Quick Release Pole	$169.95	**$121.50**
85570020	12′/3.7m 3 Section Precise Quick Release Pole	$209.95	**$149.95**
85570021	4.8′/1.48m Mini Prism Pole Precise Quick Release Pole	$209.95	**$149.95**
85501000	1.39′/0.42m Mini Stake Out Pole	$78.95	**$69.95**

Prism Pole Accessories

5198 – Series Data Collection Holder System

This easy to use open clamp mount offers a fast and efficient way to mount data collectors to antenna poles and rover rods. The open clamp 5198 series is comprised of a pole bracket and a cradle. These items are sold SEPARATELY!

The aluminum pole bracket assembly features a quick release button and a brass clamp screw that attaches to the rod. The cradle assembly holds the data collector and attaches to the bracket assembly on the pole with a stainless steel quick release pin. Bracket allows for tilting to view collector at various angles. Pole brackets shown will work with poles or rods with a diameter of 3/4″-to-1 1/4″. Made of anodized aluminum with a brass clamp screw and stainless steel release pin.

For models not shown please call for information.

855198052	Plain pole bracket	**SALE $62.90**
855198054	With 40 – minute vial	**SALE $68.50**
855198056	With 40 – minute vial and compass	**SALE $71.50**
855198059	Plain Pole Bracket with slot for radio	**SALE $71.50**
855198082	TSC1/Ranger/MP2500/FS Series	**SALE $71.50**
855198092	Recon Cradle Bracket	**SALE $62.90**
855198093	GEO CE, XT, XM	**SALE $62.90**

The Claw™ Series Quick-Release Controller/Collector Cradle

The Claw series cradle and pole bracket utilize an anti-crush feature that limits any damage to data collector or pole. Made of corrosion anodized aluminum and stainless steel clamp screws. Pole bracket fits 1.25″ diameter poles only.

5200150	Claw Quick-Release Pole Clamp	**SALE $62.90**
5200151	Claw Quick Release Clamp w/40-min vial	**SALE $74.50**
5200155	Claw Quick Release Clamp w/40-min vial and compass	**SALE $77.50**
5200050	Claw Series Cradle Ranger 300/500/TSC2	**SALE $68.50**
5200053	Claw Series Cradle for Recon	**SALE $68.50**
5200059	Claw Series Cradle for Nomad	**SALE $68.50**

SECO Tripods & Bi-pods for Prism Poles

Thumb release and open clamp head allows for quick setup and ease of use.

85500120

85521730

85521715ABK

Product	Description	List Price	SALE
85500120	Heads-Up Level	$70.95	**$64.95**
85521704RED	Thumb Release Bi-pod RED Color extends to 6′ weight 4lbs.	$167.95	**$135.00**
85521704FOR	Same as above except ORANGE Color.	$167.95	**$135.00**
85521704FLY	Same as above except Flo Yellow Color	$167.95	**$135.00**
85521705RED	Thumb release "MINI" Bi-Pod red extends to 36″, collapses to 25″ Ideal for RTK and Robotic rovers	$167.95	**$130.00**
85521715ABK	12″ Bi-pod Ideal for Robotic Rover poles to lie on the ground	$51.95	**$45.00**
85521730	SECO Bipod Leg Clip–clips to base of any 1.25″ outside diameter prism or antenna pole. Snaps into place for convenient system transport or storage	$13.95	**$12.50**
85521802RED	Thumb release Tripod red extends to 6′ weight 5 lb	$184.95	**$155.00**
85521903	Carbon Fiber Thumb Release Bipod	$289.95	**$249.95**

Also available in Quick Release set-up.

521101FLY	Seco Quick Release Bipod Flo Yellow extends to 87 inches weight 4.1 lbs.	$174.95	**$147.95**

85521704RED

85514000WOR

85817000ORG

SECO Range Poles

Heavy duty aluminum,1.13 in., painted in white and orange electrostatic powder coating.

Product	Description	List Price	SALE
85515000WOR	12′ Pole– 3each 4′ sections with point, no case	$71.95	**$65.00**
85514000WOR	8′ Pole– 2 each 4′ sections with point, no case	$54.95	**$46.50**
85516000WOR	4′ Section only, no point, no case.	$30.00	**$26.95**
85817000ORG	Case only for 1-3 sections	$18.95	**$16.50**

85521802RED

85518000

85519000

85519100

85519200

85519400

519405

519202

SECO Accessories for Prism poles

Product	Description	List Price	SALE
85518000	Double male adapter 5/8″ x 11″	$15.00	**$13.00**
85519000	Prism pole point hardened steel	$10.00	**$7.75**
85519100	Topo shoe regular	$12.95	**$11.50**
85519200	Topo shoe wide base 2.5″ diameter.	$24.95	**$20.95**
85519400	Prism pole point w/ replacement point	$12.00	**$10.40**
5194003	Tip only – removable sharp.	$3.00	**$1.95**
519405	Lightweight Hex Prism Pole point w/ Replaceable Tip	$10.95	**$9.50**
519202	Topo Shoe and Point Combo.	$49.95	**$45.95**

85521903

CST Quick-Lok™ Prism Poles

CST

Offers fast setup and positive clamping without pinched fingers.Feature sturdy and dent resistant aluminum construction. Pole's top section is anodized and imprinted with permanent graduations. Bottom section is electrostatically powder painted for durability. Precise adjustable 5/8″ x 11 mounting stud for all commonly used prisms. Leveling vial on rod and dual graduations on rod. AND MORE!

		List Price	SALE
674508TMA	8′/2.5m 2 Section Precise Quick-Lok Pole	$155.00	**$119.50**
674512TMA	12′/3.6m 3 Section Precise Quick- Lok Pole.	$185.00	**$145.50**
674515TMA	15′/4.6m 4 Section Precise Quick-Lok Pole	$240.00	**$187.50**

CST Maxi-Lite Prism Poles

CST

Offers quick and accurate setups. 40% lighter than conventional poles as the pole is made from high grade, lightweight aircraft aluminum tubing. 2X tensile strength for increased durability and dependability. Twist lock mechanism. Compatible with all standard prisms and targets. Level vial on rod and dual graduations. Anodized graduation marks. AND MORE!

		List Price	SALE
674708TMA	8′/2.5m 2 Section Precise Maxi-Lite Pole	$147.00	**$115.00**
674712TMA	12′/3.6m 3 Section Precise Maxi-Lite Pole	$185.00	**$145.50**
674715TMA	15′/4.6m 4 Section Precise Maxi-Lite Pole	$225.00	**$175.00**

Crain Prism Poles

CRAIN

Grip-Tite

Crain prism poles are very lightweight, both the Alumilite™ and the Composolite™ poles. Up to 60% less than the weight of conventional poles. Grip-Tite locking system to prevent slipping. Topo boot is standard. Level vial. Stedi-Rest included with all poles allows user to keep pole off ground , out of mud, and can be used to check vial and recalibrate pole vial. Adjustable prism mount adapter included.

Stedi-Rest

		List Price	SALE
90280	Fiberglass 8′/2.5m 2 Section Precise Grip Tite Pole.	$210.00	**$169.50**
90282	Fiberglass 12′/3.6m 3 Section Precise Grip Tite Pole	$277.00	**$219.50**
90200	Fiberglass 15′/4.6m 4 Section Precise Grip Tite Pole	$342.00	**$279.00**
90276	Alumilite 8′/2.5m 2 Section Precise Grip Tite Pole	$163.00	**$129.50**
90287	Alumilite 12′/3.6m 3 Section Precise Grip Tite Pole	$198.00	**$165.50**
90201	Alumilite 15′/4.6m 4 Section Precise Grip Tite Pole.	$240.00	**$189.00**
91641	Crain Stedi Rest. Fits all poles with a 1.25″ diameter. Comes with ALL CRAIN poles. Keeps poles out of mud, water etc.	$10.25	**$8.95**

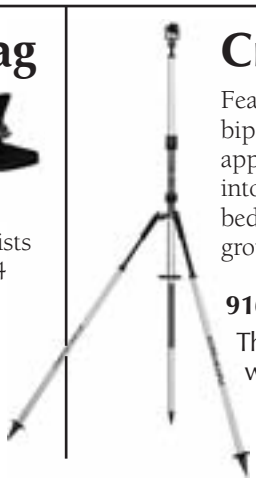
Crain Padded Prism Pole Bag

Constructed of extremely durable fabric. Material resists sunlight, mildew, abrasion and moisture. Height is 64 1/2″ by 5 1/2″ width. Bag is padded!

91471
Padded Prism Pole Bag
List Price $41.00
SALE $33.50

CRAIN

Crain Thumb Release Bipod



Features a Clutch knob to secure the pole with the bipod. Fits standard 1 1/4″ diameter poles. Extends to approximately 73″ and retracts to 44″. Lock securely into place with tight, thumb operated locks. Large foot bed allows the feet to be securely planted in the ground. Yellow color.

91695
Thumb Release Bipod w/Clutch Knob
List Price $175.00
SALE $134.95

True Plumb

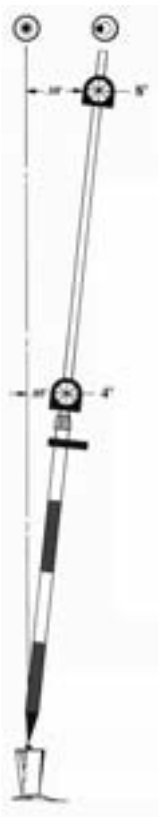
The True Plumb is an easy and accurate way to test and adjust your rod in seconds. Surveyors across the country have found the True Plumb to be an invaluable quality control device.

Advantages of the True Plumb

- A compact, easy and convenient way to test and adjust rods in just seconds.
- Tests and adjusts all brands of prism rods – 5/8 x 11 standard/ Adaptor available for Wild rods.
- Also adjusts hand held level bubbles.
- With True Plumb, you can rotate your pole 360 degrees to check if it is bent.
- True Plumb is a two piece unit.
- Mount and use, no assembly required – Mounting screws enclosed.

16TPL1000 True Plumb **SALE $183.50**

TRUE PLUMB



ROD LEVEL

CST's rod level now includes a new 10-minute circular vial for improved accuracy! Heavy-duty frame is made of a strong aluminum die casting, painted a bright red. The vial is a large 7/8″ diameter, 10 min. per 1″ sensitivity, securely mounted into a recessed black housing.

06750
Rod level adjustable vial
SALE $14.00

BUILDERS MINI ROD

Wood mini rod unfolds to either 6 1/2′ or 9 1/2′. Printed graduations on both sides. Graduations are embedded below the surface and sealed.

807548 6 1/2′ Mini Rod, ft./10ths/100ths
SALE $71.45

807551 9 1/2′ Mini Rod, ft./10ths/100ths
SALE $75.95

SOKKIA

SECO "LENKER" STYLE ROD

A direct Elevation Rod with bold face in tenths and hundreths. 10′ length, made from quality maple wood and aluminum.Retracts to 5.4′. Face of the rod carries a 10′ stainless steel band which runs over Delrin end rollers to bring the reading into view.

Bands and hardware are stainless steel.

750220 10′ Seco "Lenker" Style Rod
List Price $215.95
SALE $187.50

5077053L Replacement Face only
SALE $70.00

SECO

CST TELESCOPING ALUMINUM RODS

CST

The rods are made of a light and durable aluminum alloy. The anodized sections are imprinted with special weather resistant and corrosion resistant inks. Tight tolerances on extruded aluminum sections allow for smooth extension and prevent unnecessary sloppiness. The sectional joints are injection molded from a durable lightweight impact resistant plastic. Rods are equipped with reliable and wear resistant polycarbonate buttons. Easy to read graduations and a special measuring scale on the backside permit users to read height at eye level.

06816 16′ 5 section Rod– ft./10ths/100ths
List Price $65.00
SALE $54.95

06816C 16′ 5 section Rod– ft./8ths/
List Price $65.00
SALE $54.95

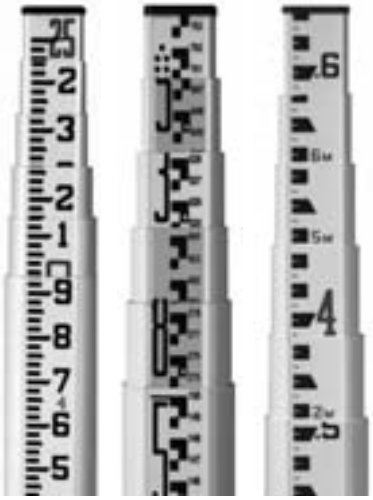
SOKKIA SK LEVEL ROD

Sokkia SK Level Rod 25 ft. in feet/tenths. Unique oval design. Numerals and graduations are epoxy-protected for maximum wear-resistance and sized for maximum readability. Made from strong, corrosion proof fiberglass that is lightweight and won't warp or swell. Rod has height measuring gauge on back side. Female threaded hole on top for mini prism (5/8 x 11) w/case

807348 25′ rod 10ths
List Price $175.00
SALE $159.50

SOKKIA

Crain (Mound City) SVR Series Telescoping Fiberglass Rods



98010 98012 98016

Replacement sections are available for all Crain rods. Specify model, section no. required and graduations needed. For any "OLD" Style SVR rods sections and replacement parts are still available. Please call for part numbers and costs

The SVR Leveling rods deliver all the same user advantages for which they are well known for, but are now even lighter, more durable and more compact. They now feature round buttons and collapse to fit behind the seats in most trucks. Tighter locking mechanism that resists jamming from dirt and sand. Constructed of strong, rigid fiberglass with reinforcing ribs for added stability. Water-proof and nonconductive. Special measuring scale on back of each SVR. Rectangular-oval shape allows for wide,glare-resistant scales that are wear resistant.

		List Price	SALE
98010	SVR 25´ Rod 10ths	$214.00	**$169.50**
98011	SVR 25´ Rod 8ths	$214.00	**$169.50**
98012	SVR 7.6M Rod 0.5cm	$214.00	**$169.50**
98016	SVR 25´/7.6M Two Scale–10ths/Philly Metric	$214.00	**$169.50**
91258	Crain prism mounting adapter–5/8x11 for SVR or CR style rods	$17.50	**$15.25**
91250	Crain 25´ (New) SVR lock set–includes buttons, springs, screws and tip/end caps for one rod	$39.75	**$33.50**

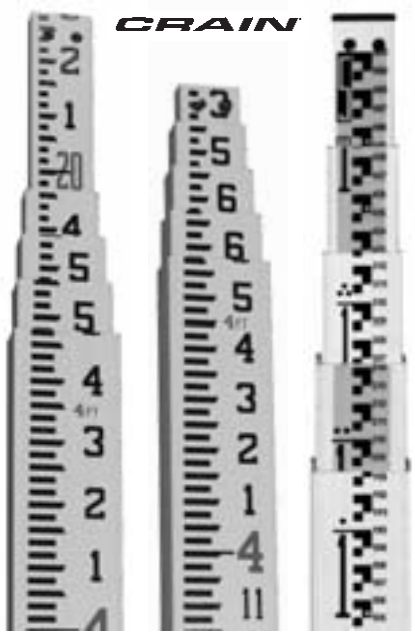
Snap-Tite® SVR Rod Level

CRAIN

Made of rugged, durable materials and specifically designed for the 25´ SVR/USL Crain rods. Large easy to read level vial. Level has 42 ARC second sensitivity.

91255 Snap-Tite™ SVR Rod Level. . . . . **SALE $14.75**

Crain (Mound City) CR Series Telescoping Fiberglass Rods



10ths 8ths .5cm

Replacement sections are available for all Crain rods. Specify model, section number required and graduations needed.

Complete Lock sets available for 20, 16, 13, 8 foot rods–specify rod length and we will be glad to quote you

This rectangular-shaped rod with rounded back corners and recessed graduations is directly compatible with EDM and Laser Level systems. Laser sensor clamp mounts directly to rod without special brackets. Sections stackup for easy extension with reliable, unbreakable buttons that securely lock sections together. Constructed of strong fiberglass with special reinforcing ribs to resist breakage and add stability, this rod will not dent, gall, or kink, and is non-conductive. Scale width is graduated to fill entire face of rod with glare-resistant and wear-protected scales in a variety of graduations. Special measuring scale on back side is alternate red and white allowing user to read overall height at eye level. *Case not included.*

		List Price	SALE
92001	CR 8′ rod 10ths	$52.50	**$43.50**
92002	CR 8′ rod 8ths	$52.50	**$43.50**
92021	CR 13′ rod 10ths	$74.25	**$59.50**
92022	CR 13′ rod 8ths	$74.25	**$59.50**
92041	CR 16′ rod 10ths	$93.25	**$73.95**
92042	CR 16′ rod 8ths	$93.25	**$73.95**
90231	CR 20′ rod 10ths	$116.50	**$93.50**
90232	CR 20′ rod 8ths	$116.50	**$93.50**
92043	CR 5.0m rod .5cm	$93.25	**$73.95**
91411	Case for all CR style rods	$17.50	**$14.75**
91258	Crain prism mounting adapter 5/8x11 for SVR or CR style rods	$17.50	**$15.25**

Snap-Tite® CR Rod Level

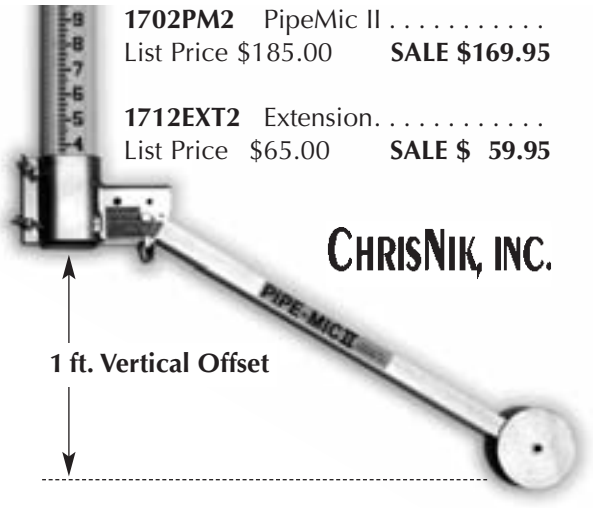
Made of rugged, durable materials and specifically designed for the 16/20´ CR Crain rods. Large easy to read level vial. Level has 42 ARC second sensitivity.

91535 Snap-Tite™ CR Rod Level. . . . . **SALE $14.75**

Pipe-Mic II *(Pronounced "PIPE MIKE")*

By pulling a pin in just seconds you can go from zero to 1 ft. vertical offset for clearance under rod.

- Measurements are more accurate because you are measuring with a vertically plumb rod.
- Made for Crain 25′ SVR and USL rods.
- Made of lightweight (two pounds) non rusting aircraft aluminum.
- No tools needed to attach to rod.
- Slides on and off rod in seconds.
- 24″ measuring arm can be extended to 36″ by adding 1ft extension.
- New round foot design slices through material at bottom of pipe and insures accurate invert and pipe diameter measurement.



1702PM2 PipeMic II . . . . . .
List Price $185.00 **SALE $169.95**

1712EXT2 Extension. . . . . .
List Price $65.00 **SALE $ 59.95**

ONE SHOT™ Direct Reading Grade Rod

Advantages of the One Shot Rod are –

- Cut or Fill Measurement is read directly on the rod
- Correct measurement is virtually guaranteed. Saves time and money
- Durable construction
- Use for Grading , Masonry, Site work, Forms, Landscaping, Sewers, Drainage, Slab Work

94021 13′ One Shot 1/10′s. . . . . **SALE $109.00**
94041 16′ One Shot 1/10′s. . . . . **SALE $127.50**
91423 Carry Case 13/16′ Rod . . . **SALE $ 14.75**

Star Drill

Used for drilling holes in concrete, brick and soft stone.

22012
1/2″ Cutting Point Star Drill, 12″ long
SALE $10.50

Hand Tools

Gerber One-Hand Opening Tools

The compact Mult-Plier® 400 features rugged performance and one handed opening Stainless steel hardware and Fiskars® brand scissors. Patented Saf.T.Plus locking system assures tool components stay in place while in use. Comes with sheath. Made in USA

05500 Compact Sport Multi-Plier w/sheath . . . . . **SALE $39.75**
2205509 Same as 05500 except black color w/sheath **SALE $43.75**

The Freehand multi-tool combines the functionality of one-handed opening pliers with the convenience of outboard tools, including a thick, industrial driver. Comes with sheath. Made in the USA.

2201517 Freehand Multi-Plier w/sheath . . . . . **SALE $77.50**

Clip Folding Knives

The AR 3.0 strikes a near perfect balance between strength, balance, ergonomics and a lightweight design with a stylized look. Comes with a pocket clip and a handle made with die-cast aluminum and Softgrip® overmold.

05843 AR3.0 Serated Edge Knife . . . . . **SALE $32.95**

The E-Z Out Jr. is a perfect everyday knife that is easy to deploy. Features a rugged poly-carbonate handle with a Softgrip® overmold. Made in the USA.

06501 E-Z Out Jr. – Fine Edge Knife . . . . . **SALE $25.50**

The Gator II folder is the latest most ergonomically advanced version of the famous Gator Drip folders. Built-in thumb rest combines with notched grooves in the spine for maximum control and agility. Stain-less steel blade opens effortlessly. Comes with sheath.Made in USA.

2201414 Gator II – Fine Edge Knife . . . . . **SALE $34.95**

Thunderbolt Products

Designed to dig up survey markers in the pavement faster, easier and safer. Thunderbolt is a multi functional manual impact tool that enables the user to create over 3000 lbs. psi on impact. Offers different tool heads such as the 2″ chisel, bull point chisel, 2x2 stake driver, rebar driver, stake starter and the trencher to fit a multitude of job functions. The Thunderbolt has been developed to reach the highest level for user safety and to maximize natural body mechanics to limit strain on the hands, legs and back. It is accurate, safe and easy to use.

- **Dig up Pavement**
- **Drive Stakes**
- **Stake Starter**
- **Drive Rebar**

4410300	Power Bar Assembly– includes power bar, adapter & 2″ chisel	**SALE**	**$278.30**
4410310	Power Bar Only – 40″	**SALE**	**$199.50**
4410316	Adapter	**SALE**	**$47.50**
4410345	2″ Chisel (for digging up payment)	**SALE**	**$31.25**
4410349	1″ Chisel (for digging up payment)	**SALE**	**$23.70**
4410348	Bull Point Chisel (fits up to 1 3/8″ rebar)	**SALE**	**$23.70**
4410319	Rebar Driver (fits up to 3/4″ rebar)	**SALE**	**$39.30**
4410315	Trencher	**SALE**	**$60.25**
4410323	1 3/8″ Rebar Driver (fits up to 1 3/8″ rebar)	**SALE**	**$39.30**
4410320	Stake Starter	**SALE**	**$47.45**
4410318	2x4 Rectangle Tamper	**SALE**	**$33.80**
4410317	5x5 Square Tamper	**SALE**	**$36.50**
4410321	Round Post Tamper	**SALE**	**$32.10**
4410325	Brick Splitter	**SALE**	**$56.50**
4410311	Wood Splitter	**SALE**	**$29.70**
4410332	2x2 Stake Driver (size 1 5/8″ x 1 5/8″)	**SALE**	**$50.30**
4410509	2 1/2 x 2 1/2 Stake Driver	**SALE**	**$50.30**

4410349

4410320

4410345

4410319

4410509

4410300

4410348

4410316

Giant Point Scriber

For marking on concrete, rock and steel - or any hard surface. Complete in metal case and plastic cap.

813054	Giant Scribe	**SALE**	**$6.85**
813055	Replacement Tips for Point Scriber (6 per pkg.)	**SALE**	**$10.00**

Estwing Rock/Concrete Chisel 1/2″ x 12″

813085	Rock/Concrete Chisel	**SALE**	**$11.85**

Star Drill

Used for drilling holes in concrete, brick and soft stone.

22012
1/2″ Cutting Point Star Drill, 12″ long
SALE $10.50

CHRISNIK, INC.

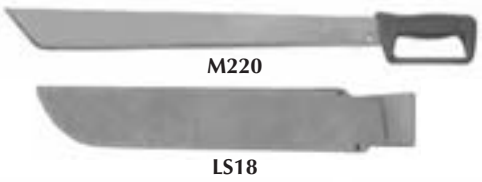
Machetes

24″, 22″ or 18″ blade made from high carbon tempered steel. All with 5″ plastic handle.

742818	Machete 18″ w/plastic handle	SALE $8.50
742822	Machete 22″ w/plastic handle	SALE $9.95
742824	Machete 24″ w/plastic handle	SALE $10.50
743218	Sheath 18″ leather	SALE $14.95
743222	Sheath 22″ leather	SALE $15.25
743224	Sheath 24″ leather	SALE $16.95

Barteaux quality deluxe machetes. Made from hand-forged high carbon spring steel blade and polypropylene colored safety handle.

M18O	18″ Deluxe Machete…	SALE $21.95	LS18	18″ Leather Sheath…	SALE $14.80
M22O	22″ Deluxe Machete…	SALE $23.95	LS22	22″ Leather Sheath…	SALE $17.50
M24O	24″ Deluxe Machete…	SALE $25.50	LS24	24″ Leather Sheath…	SALE $19.50



Gator® Machete and Sheath

The Gator® Machete wields a 15″ fine edge blade on one side, a 15″ high performance saw blade on the other and the proprietary Gator grip for ergonomic control while using either blade. Comes with riveted nylon sheath for safe transport.

2241576	15″ Gator Machete and Sheath	SALE $17.50

Brush Thinner and Sheath

Carbon steel blade with highly tactile handle. Total length is 19.75″, blade is 9.50″

2241061	Brush Thinner and Sheath	SALE $39.95

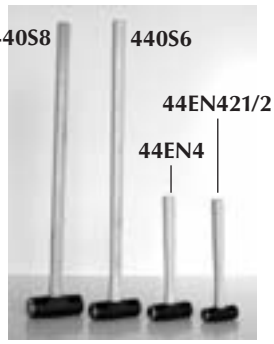
Swedish Brush Axe

28″ hickory handle w/razor sharp replaceable blade that's 7 1/4″ long.

8813015	Brush axe	SALE $36.00
8813016	Brush axe replacement handle	SALE $13.00
8813017	Brush axe replacement blade	SALE $10.25

Hammers

44EN21/2	2 1/2 lb. Eng. Hammer 15″ Wood Handle	SALE $13.25
44EN4	4 lb. Eng. Hammer 16″ Wood Handle	SALE $16.50
44OS6	6 lb. sledge 36″ Wood Handle	SALE $17.50
44OS8	8 lb. sledge 36″ Wood Handle	SALE $20.50



Redtop Man Hole Cover Pick

4432DP	5/8″ hex grade tool steel and approx. 32″ in length with a hardened steel diamond point.	SALE $23.50

Redtop Gad

4418GD	Gad is 3/4″ x 1 1/2″ x 18″ of high grade tool steel with hardened tip – 4 lbs.	SALE $23.95

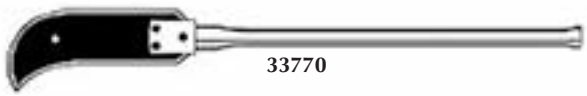
Redtop Frost Pin

4418RT	1″ diameter high grade tool steel with a 1 3/4″ button top and a hardened diamond point tip	SALE $17.50

Council Ditch Bank Blades

Professional grade and double edged tools used to clear vines, undergrowth and briars. Heavy steel blades with sturdy handles.

33770	14″ Blade/36″ Handle/ 3 Hole	SALE $41.25
33771	16″ Blade/40″ Handle/ 3 Hole	SALE $49.95
33772	16″ Blade/40″ Handle/ 4 Hole	SALE $59.95



Council Bush Hook

Professional heavy grade tool ideal for clearing tough vines, weeds, undergrowth and small saplings. Heavy steel blade with sturdy handle.

33773	12″ Blade-Double Edge/36″/Straight	SALE $62.45

Tribrachs, Tribrach Adapters and Accessories

Keystone offers a variety of quality Tribrachs and the appropriate accessories for use with same.

SOKKIA Tribrachs

Precision tribrach with base plate of 5/8 x 11 threads and circular level vial with a sensitivity of 10´/2mm. Range of optical plummet: 1.5 to 50´ (0.5 to 15m). Push-pull slide focus.

Product	Description	List Price	Sale Price
731135	WOA Precision Tribrach with Optical Plummet	$490.00	**$398.00**

SECO Tribrachs

Features a twist focus, 2.5X mag. Has an 8´ circular vial, 3 pronged forced centering and a 5/8 x 11 base. Easy plummet adjustment by four opposing screws. Optical plummet has a focusing range of 1.5 to 50 ft. Standard color is black.

Product	Description	List Price	Sale Price
215204BLK	Optical Plummet Twist Focus Tribrach	$195.95	**$157.00**

Chicago Steel Tape Tribrachs

CST Wild style tribrach offers precise plumbing of surveying instruments and adapters. Focus range of 1.5 to 50 ft. Standard color is black

Product	Description	List Price	Sale Price
613500BLK	Optical Plummet Tribrach	$399.00	**$339.50**

NIKON Optical Plummet Tribrach

Quality NIKON Optical Plummet Tribrach 3X, Adjustable Focusing Range- o.5m/1.6 ft. to infinity. Base plate of 5/8 x 11 threads and circular level vial with sensitivity of 10´/2mm.

Product	Description	List Price	Sale Price
HWB20002	Optical Plummet Tribrach 3x	$590.00	**$495.00**

Trimble Tribrachs

Trimble Standard tribrach with optical plummet. Adjustable focus range 1.5 to 50 ft. Circular level vial. Standard 5/8 x 11 thread. Color is black

Product	Description	List Price	Sale Price
571905560	Optical Plummet Tribrach	$395.00	**$375.00**

CRAIN Tribrachs

High quality optical plummet tribrach w/ 4x OP. Has circular level vial and standard 5/8 x 11 thread. Easy to adjust. Black color

Product	Description	List Price	Sale Price
25582	Optical Plummet Tribrach 4x	$190.00	**$159.50**

For models or variety of Tribrachs not listed please call and we will be glad to assist you.

SECO Tribrach Adapters, Adjusters & Carry Cases

Product	Description	Sale Price
8520200	SECO Tribrach adapter, rotating w/ friction lock, color black	**$62.50**
852071	SECO Tribrach adapter w/precise adjustment to set the prism height on your backsite to the same as the instrument height	**$84.50**
85200200	SECO Tribrach adjusting cylinder w/bubble, for adjusting the optical plummet and circular bubble on a tribrach	**$102.00**
85200100	SECO Tribrach adjusting cylinder, no bubble for adjusting the optical plummet only on a tribrach	**$43.50**
519501	SECO Prism pole adjusting jig, convenient for adjusting and calibrating pole vials in the office. The adjusting jig features an 'L-Bracket' to rest the prism pole point on and the adjustable top piece.	**$37.50**

8520200

852071

85200200

85200100

519501

MOTOROLA Two-Way Radios are designed with the needs of the construction industry in mind

Motorola RDX Series™ On-Site Business Two-Way Radios

Motorola's powerful RDX Series provides businesses a competitive communications edge, enhancing employee efficiency and overall profitability. Affordable, durable and easy to use, the RDX Series helps keep operations on schedule and maximize job shift productivity. Performance you can count on with no monthly contracts and no service charges.

ALL MODELS FEATURE:

Exceptional Audio Quality - The RDX Series features up to 2000 mW of audio output, speaker magnetic field reduction, wind-noise reduction and improved RF specifications all which help deliver superior audio quality. **Superior Durability** - Meets Military 810 C,D,E and F and IP54/55 specifications for shock, rain, humidity, salt fog, vibration, sand/dust, temperature shock, high and low temperature. Featuring a metal diecast chassis, the RDX Series will hold up under demanding conditions. **Long Battery Life** - Standard Li-Ion battery for up to 12 hrs per charge, a Ultra high capacity Li-Ion battery for up to 26 hrs per charge, and an optional alkaline battery kit. **Business Exclusive Frequencies** - Operating on 89 UHF or 27 VHF business exclusive frequencies (varies by model) and featuring 122 codes to help ensure a clear signal. **Customer Programming Software** - Quickly identify radio details such as serial number, features, frequency range and more (separate USB cable required). **Additional Features Include** – Scan, manager lock, cloning capability, power select, and more. **Compatibility** – The RDX Series is compatible with the Motorola XTN Series, AX Series, CLS Series and other radios operating on the same frequencies and code.

MODEL SPECIFIC FEATURES. The chart below indicates model specific features, such as:

Repeater Capability. Need extended range? Select RDX Series models are compatible with duplex repeaters which help provide a much greater coverage area than would be possible communicating in radio to radio mode.

Additional Channels. At the touch of a button, workers or supervisors can change channels to talk with different work groups. Models available with 2, 8, 10 or 16 channels.

Channel Aliasing. Channel aliasing provides the ability to give each channel a user defined name.

Front Panel Programmability. Five programmable buttons give you quick access to features such as priority scan, power select, and keypad lock.

**All Radios include a Li-Ion rechargable battery, drop in charging tray with power adapter, 3" spring belt clip, users guide and warranty card.*

➤ VHF Jobsite Radios - *For Use Outdoors*

Model No	Transmit Power	# of Channels	Additional Features	Weight	Range Indoors (up to)	Range in Warehouse (up to)	SALE
RDV2020	2 Watt	2 Ch.		8.6 oz.	10 floors	220,000 sq. ft.	**$209.00**
RDV2080d	2 Watt	8 Ch.	Display, Channel Aliasing, Battery Gauge, Signal Strength Indicator, Front Panel Buttons, Keypad Lock	8.6 oz.	10 floors	220,000 sq. ft.	**$229.00**
RDV5100	5 Watt	10 Ch.	Li-ion Ultra Cap Battery (up to 18.5 hrs)	10.3 oz.	18 floors	300,000 sq. ft.	**$269.00**

➤ UHF Jobsite Radios - *Best Signal/Range for Use Indoors and Outdoors*

Model No	Transmit Power	# of Channels	Additional Features	Weight	Range Indoors (up to)	Range in Warehouse (up to)	SALE
RDU2020	2 Watt	2 Ch.		8.6 oz.	20 floors	250,000 sq. ft.	**$219.00**
RDU2080d	2 Watt	8 Ch.	Display, Channel Aliasing, Battery Gauge, Signal Strength Indicator, Front Panel Buttons, Keypad Lock	8.6 oz.	20 floors	250,000 sq. ft.	**$249.00**
RDU4100	4 Watt	10 Ch.	Li-ion Ultra Cap Battery (up to 18.5 hrs)	10.3 oz.	30 floors	350,000 sq. ft.	**$289.00**
RDU4160d	4 Watt	16 Ch.	Repeater Capability, Li-ion Ultra Cap Battery (up to 18.5 hrs), Display, Channel Aliasing, Battery Gauge, Signal Strength Indicator, Front Panel Buttons, Keypad Lock	10.3 oz.	30 floors	350,000 sq. ft.	**$309.00**

MOTOROLA

Accessories for Motorola Business Two-Way Radios

Call For Accessories Not Listed

RLN6351

RLN6307

RLN6304

RLN6309

53862
(HMN9026)

Radio Series	Item #	Description	SALE
TWO-WAY RADIO BATTERIES			
RDX	RLN6351	Standard capacity lithium ion battery	$80.00
BELT CLIPS/HOLSTERS			
RDX	RLN6307	Spring action belt clip	$15.00
PLUG-IN CHARGERS			
RDX	RLN4054	Replacement standard plug-in wall charger	$22.00
DESKTOP CHARGERS			
RDX	RLN6304	2-hour rapid charger kit	$65.00
RDX	RLN6175	Replacement standard charger	$28.00
MULTI- UNIT CHARGERS			
RDX	RLN6309	6-unit charger	$275.00
SPEAKER WITH MICROPHONE			
RDX, XTN, CLS, AX, M, DTR	53862	External speakers & mic with push-to-talk button (HMN9026)	$63.00

MOTOROLA

For additional accessories for the RDX series please call for information. Accessories for XTN series radio are also still available. Please call for part numbers and pricing.

Strobe/Warning Lights

200ZM

255TSM

STAR WARNING SYSTEMS®

9200HM

PROUDLY MADE IN THE USA

200Z Series –

Compact and powerful, low profile strobe that is ideal for construction, forklift, or many other applications. Polycarbonate, amber colored lens is clamped to the rugged die-cast aluminum base with a fully gasketed aluminum retaining ring to enhance water resistance. Magnetic mount w/cigarette plug adapter. Complete with hardware for install 4 1/2″ H x 4 1/2″ Diameter

200ZM Amber Low Profile Strobe Light . . . . . List Price $80.74 **SALE $69.95**

255TS Series –

Offers field selectable flash patterns of double flash or quad flash via an internal jumper. The virgin amber Lexan® lens easily twists on/off the durable and lightweight polycarbonate plastic, universal mount, flanged base. The modular circuit is completely encapsulated for increased shock and weather resistance. Also, protected with a low voltage shutdown feature. Magnetic mount w/cigarette plug adapter. Complete with hardware for install. 4 1/2″ H x 6 12/32″ Diameter.

255TSM Amber Selectable Strobe Light . . . . . List Price $92.95 **SALE $81.95**

9200H Series –

Star Mini-Bars® are compact all-in-one package, with reliability and attention power you need. Dual rotators are enhanced with a single wall mirror. Durable polycarbonate domes resist UV deterioration and are fully gasketed to protect from the elements. ABS plastic bases – will not corrode. Dual speed (80/160 fpm) shock mounted rotators with two sealed roller bearings provide quiet, smooth and reliable operation. Magnetic mount w/ cigarette plug adapter. Complete with hardware for install. 4 1/2″ H X 16 1/8″ W X 7 1/2″ D

9200HM Amber Mini-Bar® w/Halogen Bulbs . . . List Price $155.46 **SALE $129.95**

Strobe/Warning Lights (cont'd)

PROUDLY MADE IN THE USA

9016LED Series –

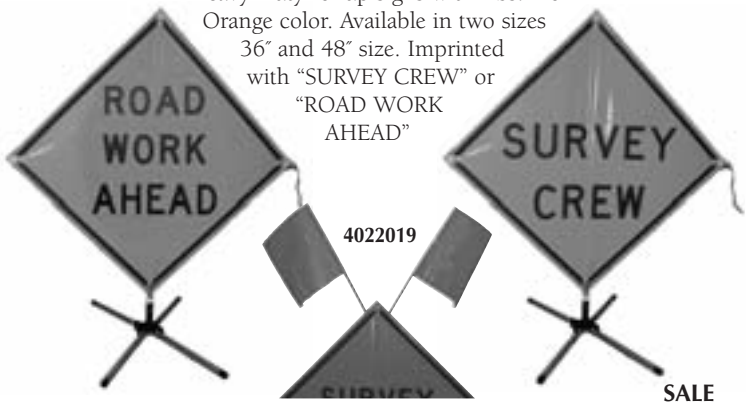
StarBeam™ M-Tech® LED Mini-Bar domes are a durable polycarbonate, injection molded and fully gasketed to protect against moisture. Potted circuitry protects against shock and vibration. Rugged, one piece extruded, anodized aluminum base. 20 customer selectable flash patterns. Magnetic mount w/ cigarette plug adapter. Complete with hardware for install. 3 1/2″ H x 16″ L x 8 3/8″ D

9016LED StarBeam™ M-Tech® LED Mini-Bar
List Price $369.00 **SALE $299.95**

For more information on strobes, directional lights, lightbars, and other Star Products please call at 1-800-833-9250

Survey Signs

Heavy Duty rollup signs with ribs. Flo Orange color. Available in two sizes 36″ and 48″ size. Imprinted with "SURVEY CREW" or "ROAD WORK AHEAD"



		SALE
4026036	36″ Size Sign Only - "SURVEY CREW"	**$55.00**
4026036RW	36″ Size Sign Only - "ROAD WORK AHEAD"	**$55.00**
4126048	48″ Size Sign Only - "SURVEY CREW"	**$70.00**
4126048RW	48″ Size Sign Only - "ROAD WORK AHEAD"	**$70.00**
4022019	EZ Up Flag Assembly for Survey Signs	**$27.95**

Safety Cones

Bright Glo safety cones with weighted base. Flexible, tough, durable traffic cones.

		SALE
23401	Safety cone Tri-Glo bright red/orange fluorescent 18″	**$8.25**
23402	Safety cone Tri-Glo bright red/orange fluorescent 28″	**$13.75**
17716183	Safety Cone Lime 18″	**$9.95**
17717287	Safety Cone Lime 28″	**$15.75**

Call for quantity pricing.

Warning Flags

Replaceable vinyl coated nylon flag on 7/8″ diameter wooden staff. Color Fluorescent red-orange. 18″ square flag/24″ staff.

		SALE
23100	18″ sq. warning flag	**$4.75**

Survey Crew Signs

Two different stands to choose from both which will work with the same rollup survey crew sign.

TrafFix Sign Stand

All steel construction with powder coated paint to resist rusting. The step-n-drop feature enables you to quickly set up the stand without having to bend over. The telescoping legs create a wider stance for added stability in high wind situations. Just pull legs out when needed and return legs back to original position for storage. Stand can be adjusted to 3 height levels and independently adjusted for greater stability on uneven terrain. Meets crashworthy requirements of NCHRP-350.

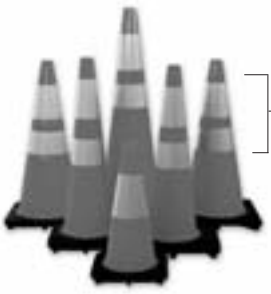
4022000 TrafFix Sign Stand Only **SALE $120.00**

Moulded Rubber Base Stand

Portable sign stand is constructed of a steel plate molded into a recycled rubber base. Weight of base is 38 lbs. and has two handles for easy movement and placement The weight and the footprint of the rubber base prevents the stand from tipping or "walking" in windy conditions. Quick and easy to set up. Simply release lever and raise the mast. Insert sign into latch bracket or universal sign holder. Meets NCHRP-350 crashworthy requirement.

4026000 Moulded Rubber Base Stand Only **SALE $95.00**

Cone Collars



This 2-piece non-adhesive set includes one 4″ and one 6″ white high-gloss, conical reflective sheeting with 450 (cd/lx/sm).

Does not include cones.

17741 Cone Collars **SALE $9.95**

PL-2000 Pipe & Cable Locator

Offers a new approach in high power, low frequencies, four modes of operation and both inductive and direct connection capabilities, the PL-2000 is powerful and versatile, but still surprisingly easy to use and cost effective. Can trace and locate any continuous metal such as iron, steel, and copper water lines, gas lines, tracer wire by plastic pipe, telephone/TV cables, copper and aluminum wire, conduit and power lines. Max depth 16-18 feet. Runs on 6 D cell batteries - Transmitter and 6 AA batteries - Receiver. Comes with Padded Case Transmitter, Receiver, Manual and Conductive Clips. 3 Year Warranty

		SALE
PL2000	Pipe & Cable Locator	**$3595.00**
18SC	Direct Inductive Signal Clamp	**$295.00**
18MT	Sonde (Mini Transmitter).	**$445.00**

LD-12 "Professional's Plus" Water Leak Detector

LD 12 features excellent amplification and audio clarity. Large meter display of the leak sound intensity is easily visible in all outdoor lighting, from bright sunlight to total darkness. Includes a base plate for ground miking on city streets or concrete slabs and both a magnet base contact rod for water leak "surveying" at hydrants, meters. Comes with Amplifier with meter display and filter controls, ground microphone and handswitch, aviation grade stereo headphones, heavy duty case, magnetic base, 3 section contact rod, nut driver - to remove base and manual. 6 AA dry cell batteries. 5 Year Warranty

		SALE
LD12	Water Leak Detector.	**$2995.00**

For additional information on the PL-2000 and LD-12 please call and we will gladly assist you.

CST Magna-Trak® Magnetic Locator – 200 Series

Features:

- ***Lightweight, ergonomic handle w/ textured grip***
- ***One Hand Operation to control volume and sensitivity***
- ***Quick Change Battery system***
- ***Plastic Case is high impact and water resistant***
- ***Aluminum sensor tube is waterproof to just under plastic case***
- ***Powerful speaker w/ waterproof Mylar cone***
- ***Adjustable sensitivity and volume dials w/ power off***
- ***NEW speaker – deep tone audio under search conditions. Signal "Peak" over ferrous objects***
- ***High tech magnetic toroidal sensors and unique electronic balancing circuitry***
- ***100 hours w/ intermittent use on 6-AA batteries***
- ***0 degree to 120 degree Fahrenheit temp. range for operation***

		List Price	SALE
19200	Magna-Trak 200 w/Soft case	$749.00	**$645.00**
19200H	Magna-Trak 200 w/Hard case	$769.00	**$659.00**
19202	Magna-Trak 202 – Erase Function w/Soft case	$815.00	**$699.00**
19202H	Magna-Trak 202 – Erase Function w/Hard case . . .	$835.00	**$719.00**

7 YEAR Warranty

Schonstedt® GA-92XT Series

New from Schonstedt, The Schonstedt XT Magnetic Locator Series. Fifteen months of research, design, and testing have produced the most portable Magnetic Locator ever made.

One hand operation makes finding faster, providing both audio and visual (XTd) model indication of ferrous objects up to 16′ underground. Continues the tradition of Schonstedt ruggedness and reliability

Detects magnetic fields of all ferromagnetic objects - property marker, manholes, septic tanks, well casings, valve boxes, cast iron pipes, steel drums, unexploded ordinance — up to 16 FEET below the ground!!!

Comes complete with holster and hard carry case.

Features

- One hand operation
- Operates in both retracted and extended modes
- Fingertip control of volume and sensitivity
- Quick charge battery compartment
- Battery indicator
- 7 YEAR WARRANTY!
- Battery Life 24 hrs. with intermittent use

802692i Schonstedt GA-92XTi Locator
List price $1015.00
SALE $859.50

802692d Schonstedt GA-92XTd Locator w/Visual
List price $1015.00
SALE $859.50

GA-92's all come with holster and hard case in original package

Schonstedt® GA-52Cx Heliflux® Magnetic Locator

Responding only to magnetic fields, this high-quality locator accurately pinpoints the location of iron survey boundary markers, PK nails, manhole covers, valve boxes, and similar ferrous objects without being misled by non-ferrous objects such as brass, aluminum, copper, water, and ice. It has a broad dynamic range with four individual sensitivity settings to provide for improved pinpointing accuracy. Its most sensitive setting is probably beyond the normal needs of the land surveyor, but can be used effectively by those seeking to locate horizontal cast iron water and gas lines. Larger objects can be detected at lower depths. A 4′ diameter cast iron pipe can be detected at 8′ below the surface, 3/4′ x 18′ iron pipe markers at 7′, iron valves at 8′, and well casings at 15′! The GA-52Cx even detects magnets in plastic closures, water and gas lines made of iron, and PK nails on resurfaced roads. A built-in piezoelectric speaker provides clear, sharp signals to alert you to ferrous objects, while the modular case, no-roll construction, high performance components, and weather protected controls contribute to better handling, more reliability, and greater sensitivity.

802680 Schonstedt GA-52CX
List price $885.00 . . . . . **SALE $729.50**

Subsurface Locators

The Subsurface Magnetic locators are made by experienced design and manufacturing professionals. The ML-1 locator is a non-metered device and the ML-1M, featuring a digital meter that provides for visual signal strength, polarity indication, gain setting plus battery life display.

Used to locate Corner marker, iron or steel , Mag nails and PK nails, value and curb boxes, iron and steel pipes, well casings, manhole covers, steel drums, septic tank handles, energized electric cables, marker magnets, unexploded bombs and more.

FEATURES

Easy one hand operation • Easy keypad switches, no knobs • Lightweight — only 2 LBS. including batteries • Uses two regular 9-volt alkaline batteries • Strong monotube construction provides structural integrity • Headset jack (standard 8 ohm stereo) • Microprocessor retains volume and gain settings from last use • FIVE year warranty • Soft carry case included • Hard case included

ML1 Locator without meter
List price $795.00 . . . . . **SALE $665.00**

ML-1M Locator with LCD meter
List price $865.00 . . . . . **SALE $719.50**

Model 400

- Folds to 17″ and extends to 45 3/4″
- Precision counter records up to 100,000 increments
- Spoked steel 15 1/2″ diameter
- 4-foot circumference wheel
- Optional carrying case with pocket

Primary Uses: Heavy Construction, Surveying, Utility Installations

Model#	**400**
Measurements	Feet
Weight (lbs)	8
Retail	$148.88
SALE	**$127.75**
Model#	**400M**
Measurements	Meters
Weight (lbs)	8
Retail	$160.58
SALE	**$137.00**

Model 415

- Folds to 17″ and extends to 45 3/4″
- Precision counter records up to 100,000 increments
- Spoked steel 15 1/2″ diameter
- 4-foot circumference wheel
- Optional carrying case with pocket

Primary Uses: Heavy Construction, Surveying, Utility Installations

Model#	**415**
Measurements:	Feet/Inches/Tenths
Weight (lbs)	10
Retail	$151.01
SALE	**$132.95**
Model#	**415M**
Measurements	Meters/Decimeters/ Centimeters
Weight (lbs)	10
Retail	$164.84
SALE	**$141.50**

Model 300S

- Folds to 22 3/4″ and extends to 40 3/4″
- Precision counter records up to 100,000 increments
- Precision calibrated rubber 11 1/4″ diameter
- 3-foot circumference wheel w/stand
- Optional carrying case with pocket

Primary Uses: Construction, Fencing, Landscaping, Paved & Dirt Roads, Irrigation

Model#	**300S**
Measurements	Feet
Weight (lbs)	6
Retail	$117.25
SALE	**$89.50**
Model#	**300MS**
Measurements	Meters
Weight (lbs)	6.2
Retail	$117.25
SALE	**$89.50**

Model 623

- Folds to 22 5/8″ and extends to 47 1/8″
- Precision counter records up to 100,000 increments
- 6-foot wheel circumference w/ stand
- ***Primary uses:***

Irrigation surveys, Fence/Land Measurements, Athletic Fields/Golf Courses, Soil Conservation, Field Plots, Rural Electrification Projects

- Optional carrying case with pocket

Model#	**623**
Measurements	Feet
Weight (lbs)	13
Retail	$195.00
SALE	**$179.50**

ROLATAPE PROFESSIONAL SERIES

Carry Cases for Rolatapes

- Water and Tear Resistant for Longer Life
- Tougher Hardware/ Zipper for more Durability
- Machine Washable
- Come with Hand and Shoulder Straps
- Handy Side Pocket to Store Notebook/Pen

100CCB

400CCB

30CCB

400CCB	For 400/415 Series	**$25.50**
30CCB	For 300/MM-30 Series	**$20.40**
100CCB	For 112/MM-12/MM-Twin . .	**$15.30**

ROLATAPE PROFESSIONAL SERIES

30100 Tally Counter

Four digit counter registers up to 9999; return numbers to zero with a twist of the reset knob. Pressure on the button produces an audible click which signals the count. Numbers are white on black for easy reading. Protective window seals out dirt and humidity.

$10.95

For models not listed please call for information and pricing!!

Model MM30

- Folds to 22 3/4″ and extends to 44 3/4″
- Push button counter records up to 1,000 increments (which subtracts when rolled backwards)
- Comes with stand
- Optional carrying case with pocket
- Precision calibrated rubber 11 1/4″ diameter, 3 foot circumference wheel
- ***Primary Uses: Law Enforcement, Light Construction, Fencing, Real Estate***

Model#	Measurements	Retail	Weight	SALE
MM30	Feet/Inches	$103.28	5 lbs.	**$81.50**
MM30T	Feet/Tenths	$103.28	5 lbs.	**$81.50**
MM30M	Meters/Decimeters	$106.03	5 lbs.	**$83.50**

Model MM12

- Folds to 17 1/4″ and extends to 38 1/2″
- Push button counter records up to 1,000 increments (which subtracts when rolled backwards)
- Precision molded 4″ diameter, 1 foot circumference wheel
- Optional carrying case with pocket
- ***Primary Uses: Accident Crime Scenes, Home Interior, Appraisals, Janitorial***

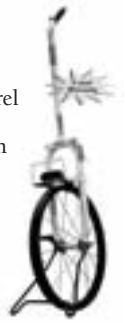
Model#	Measurements	Retail	Weight	SALE
MM12	Feet/Inches	$44.83	2 lbs.	**$35.75**
MM12T	Feet/Tenths	$44.83	2 lbs.	**$35.75**
MM12M	Meters/Decimeters	$56.05	2 lbs.	**$44.50**

Model MM12TWIN

- Folds to 17 1/2″ and Extends to 38″
- Push Button Counter Records Up to 10,000 ft. or Meters (which subtracts when rolled backwards).
- Molded Dual 4″ Diameter, 1 foot Circumference Wheels
- Optional Carry Case
- ***Primary Uses: Law Enforcement, Roofing, Real Estate, Remodeling, Appraisals***

Model#	Measurements	Retail	SALE
MM12TWIN	Feet/Inches	$66.25	**$52.50**
MM12TWINT	Feet/Tenths	$66.25	**$52.50**
MM12TWINM	Meters/Decimeters	$75.74	**$59.50**

KESON Measuring Wheels



MP401 Metal Professional Wheel

Features an innovative design with rugged 3/4″ tubing. Barrel clamp locks the handle upright. Durable 3/8″ rubber on wheel. Records to 99,999. Time tested proven counters with easy to read numbers. Folds down with stand. Measures in feet. 4 foot wheel circumference. **Six year warranty.**

Dia./circ.: 15.5 in./4 ft. **Units:** feet

MP401 List Price $162.99 **SALE $137.50**

MP401E Electronic Steel Wheel

Keson Electronic Measuring Wheel – Rugged steel frame with sealed counter housing to protect from rain. Built in kickstand, backlight LCD display, 7 digit LCD display up to 99,999 ft. Display in feet and metric. Run by AA batteries, not include. Collapses to 21 inches. **Two year warranty.**

Dia./circ.: 15.5 in./4 ft. **Units:** feet & inches, feet & 10ths, metric, continuous inches

MP401E List Price $199.99 **SALE $165.90**

MP301 Metal Professional Wheel

Simplicity and durability were two principles that guided the design of the Metal Professional Wheel. The result is a wheel that rolls easily over the most difficult terrain and stands up to constant heavy use. It has an innovative and simple center-line design with great balance, spoked wheels and a rugged steel frame. **Six year warranty.**

Dia./circ.: 11.5 in./3 ft. **Units:** feet

MP301 List Price $138.99 **SALE $119.50**

ROADRUNNER Outdoor Wheel

5 digit easy to read counter (9,999 ft) that subtracts in reverse. Heavy-duty, polycast wheel with clean three spoke design. Curved telescoping handle adjusts to comfortable level. Measures in feet and inches. 3 foot wheel circumference. **Six year warranty.**

Dia./circ.: 15.5 in./4 ft. **Units:** feet & inches

RR318N List Price $79.99 **SALE $64.95**

ROADRUNNER Paint Marking Wheel w/Counter

Features an easy to read 5 digit counter that measures 9,999 feet and 11 inches without resetting. This lightweight tool features a trigger just under the pistol grip. Engaging the trigger fires off a burst of upside down spray paint precisely where it is needed. Units are feet and inches. 2 wheels with a circumference of 18′. 6″ diameter wheels.

RRPA182 List Price $75.89 **SALE $67.50**

ULTRA SCALE MASTER® PRO

CALCULATED INDUSTRIES

The most affordable area takeoff tool and graphic digitizing system!

- Designed specifically for residential and light commercial builders and contractors requiring area and volume take-offs. Use it for estimating project materials and costs, for measuring, storing and calculating perimeter, areas and volumes from architectural plans and other types of scaled drawings. Can calculate the area and volume of irregular shapes; can also be used as a digitizer. APC interface is include to enable data and measurements to be sent to PC applications. Can be used with or without a PC.
- Accuracy/Display Capacity - Has a seven digit main display, while maintaining an internal accuracy of 12 digits for calculations. It is capable of measuring at an accuracy of +/-0.040" within a measuring range between one -inch and 36-inches from the reflector bars.
- Supports Windows 2000, XP and Vista.
- 72 built-in architectural and engineering scales allow you to measure plans and drawings up to 24″ x 36″ size. Four custom scales allow you to measure out odd scale drawings. Scales in Imperial and Metric. Units in Linear units, Area units and Volume units.
- USB power when connected to a computer and 4 AAA batteries when used as stand alone.

Also have a separate Simple To Use Graphic Digitizing Program - SMART TAKEOFF!®

- Use Smart Takeoff!® to determine quantities of area, perimeter, length, and vertical surface area to compile construction cost estimates.
- The Smart Takeoff!® provides graphic representation of the digitized coordinates for the Ultra Scale Master Pro and verifies quantities while minimizing errors of omission and miscalculation.
- Smart Takeoff!® transfers digitized quantities to virtually any Windows® based program including spreadsheets and also allows you to export the graphic image in DXF format for use in other programs.

Please call for additional details or specifications.

6260 Ultra Scale Master® Pro . . . . **SALE $315.50**
6230 Smart Takeoff!® Software . . . **SALE $269.50**

✦ DigiRoller Plus™
DIGITAL MEASURING WHEEL

The **DigiRoller Plus** is a revolutionary new digital measuring tool that lets you roll distances quicker and easier than ever before. It measures linear distances and displays digitally, calculates area and volume, stores multiple measurements in memory.

6425
DigiRoller Plus II
List price $169.95
SALE $157.50

CALCULATED INDUSTRIES

Material Estimator #4019

A building materials calculator with built in solutions for studs, board feet, gravel, bricks, blocks etc.

FEATURES:

- Linear, area and volume solutions
- Work directly in feet, inches, fractions, yards and metric
- Cubic and square formats
- Cost and percent functions
- Works as standard math calculator

4019 Material Estimator Calculator…
SALE $37.95

PlanWheel XLU/SA

Measure plans the fast, accurate way with the Scalex Plan Wheel™. Here's the perfect tool for taking scaled measurements from blueprints, maps, and plans. Just select the built-in scale factor to match the plan and roll the PlanWheel. The measurement is displayed instantly.

Scalex Corporation

- 52 built-in scales and thousands of available user-defined scale factors.
- Measures in kilometers, meters, centimeters, feet, yards, miles and inches
- Calculates square and cubic dimensions for regular areas and volumes
- Counter and adder buttons on probe tip let you count items or add fixed lengths as you scale
- Calculate auto-scale factor from reduced, enlarged or odd-scale drawings
- Create, store and retrieve 2 user-defined scale factors
- Clear, audible tone indicates wheel movement
- Automatic shut-off assures long battery life
- Low battery indicator

		SALE
100550	**Plan Wheel XLU2**	**$74.95**
100551	**Plan Wheel SA2**	**$57.95**
100552	**Map Wheel (not shown)**	**$31.50**
	Fast,accurate way to measure distances on maps, whether in straight lines or curves. Set to map scale, roll along route to measure and the distance is automatically displayed.	
100555	**Plan Wheel XLU Interface Kit**	**$61.95**
	For use w/ XLU only	
100100	**Protective Case (Fits All Models)** . .	**$8.95**

Construction Master 5 #4050

Feet-Inch-Fraction Calculator for building,construction and carpentry pro's. The calculator helps you work smarter, not harder! Has intuitively labeled "construction keys" and a simple easy to follow format.

FEATURES:

- Dimensional math & conversions
- Handles all fractions - 1/2's, 1/4's, 1/8's, 1/16's, 1/32's, 1/64's
- Right angle solutions
- Circle solutions
- Instant area & volume calculations
- Weight per volume key
- Board feet key
- Automatic stair calculations
- And More!

4050 Construction Master 5 **SALE $63.95**

Construction Master Pro #4065

Top of the line jobsite calculator for builders, construction and carpenter pro's. Includes the best features of Construction Master IV with "useful" new Pro functions added. An essential tool for the jobsite.

FEATURES:

- Dimensional math and conversions: work directly in feet, inches, fractions, yards, and metric
- Handles all fractions - 1/2's, 1/4's, 1/8's, 1/16's, 1/32's, 1/64's
- Instant area and volume
- Advanced circle solutions
- Six material estimation functions: Block, brick, column, cone, footing, roof
- Board feet/ lumber estimations
- Acres, kilograms, pounds, tons, and metric conversions
- Works as regular calculator
- And More!

4065 Construction Master Pro **SALE $72.95**

ConcreteCalc Pro #4225

The only calculator designed specifically for concrete construction pro's. The innovative ConcreteCalc Pro lets you perform instant square-ups, layouts, accurately estimate material costs and volumes and solve common construction problems like a pro.

FEATURES:

- Dimensional math & conversions
- Handles all fractions - 1/2's, 1/4's, 1/8's, 1/16's, 1/32's, 1/64's
- Concrete areas and volumes
- Square-ups, drops & right angle problems
- Block and footings
- Weight/volumes
- Circular problems, including areas and arcs
- Stair layout calculations
- Material cost & quantity estimations

4225 ConceteCalc . . . . . **SALE $63.95**

HeavyCalc #4325

The only calculator designed specifically for heavy construction pro's, excavator and "dirt" contractors. Lets you perform instant square-ups, accurately estimate material costs, volumes, weights and truckload calculations, and other common construction problems.

FEATURES:

- Areas & volumes
- Weights
- Cut/fill estimates
- Shrink & swell
- Percent grade
- Right angle solutions & square-ups
- Cost & material estimations
- Dimensional math & conversions
- Fractions

4325 HeavyCalc. . . . . **SALE $63.95**

Ultra Measure Master #8025

For anyone who needs fast, reliable measurement conversions on the job: Contractors, inspectors, engineers, scientists, technicians, architects can all use this product. Sixty built-in conversion units with over four hundred different conversion combinations.

FEATURES:

The following conversions are available – Linear unit • Area unit • Volumetric unit • Weight unit • Weight-to-volume unit • Linear velocity unit • Flow rate unit • Pressure unit • Bending moment unit • Temperature unit • Adds, subtracts, multiplies and divides in all 60 units • "Paperless" tape allows you to review the last 20 entries

8025 Ultra Measure Master. . . **SALE $ 45.95**

Measure Master Pro #4020

Ideal tool for anyone who works with dimensions. It simplifies linear, area or volume calculations when planning, building or assembling practically any project. Small enough to fit in your pocket and immediately available to solve dimensional problems and cost estimates.

FEATURES :

- Finds area, volume, square up, perimeter, wall area and room area
- Measures in yards, feet, inches, fractions, meters, centimeters and millimeters
- Advanced Circular calculations including area, circumference and diameter
- Calculate board feet
- Use for volume and weight conversions
- And More!!!

4020 Measure Master Pro. . . **SALE $36.75**

Scale Master Classic #6020

For contractors, estimators or anyone who works with blueprints. Seventy two built in scales make this plan measuring tool a must. Save time, check plans and cut estimating errors by using this tool.

Features:

- Small, lightweight and totally portable
- Use it like a pen — just roll and measure
- Convert between scales and dimensional units
- Custom scales for plans that are reduced/enlarged
- Calculate rectangular areas/volumes (LxWxH)
- Perform instant linear, rectangular area and volume takeoffs
- 72 built in scales — engineering, architectural, map, metric
- Subtract, counter and more (PC interface not available for this model — if desired please call for information)

CALCULATED INDUSTRIES

6020 Scale Master Classic. . . . . **SALE $63.50**
3025 Hard Case for 6020 Scalemaster . . . . . **SALE $9.95**

Construction Master Pro Trig #4080

Feet-Inch-Fraction, Metric calculator provides complete trigonometric functions. Allows the user to solve the most complex design and construction math problems.

FEATURES:

- Work in and convert between any building dimension
- Trig function for sin, cosine, tangent; Inverse angles and dimensions
- Find weight per Volume for pounds, tons, Kg., Metric tons
- Run, rise, and pitch keys for built-in Right angle and diagonal solutions (Square-ups)
- Complete Stair Layouts: Riser Height, risers, tread width, treads and stairwell opening
- Roof, rafter and framing solutions including Hip/Valley, jacks and rake-wall
- Advanced circular Calculations: Arcs, circumference and segments

4080 Construction Master Pro Trig... **SALE $81.95**

Scales

Four-bevel 6″ plastic scales with precise graduations.
The ideal pocket scale comes with durable pocket sheath

266P	Alvin 6″ plastic scale Architects 1/8, 1/4, 1/2, 1, 3/8, 3/4, 1-1/2, and 3″ to the foot	**SALE $9.95**
267P	Alvin 6″ plastic scale Engineers 10, 30, 40, 50 parts to the inch	**SALE $9.95**
269P	Alvin 6″ plastic scale Engineers 10, 20, 30, 40, 50, 60 parts to the inch	**SALE $9.95**

266P

4″ MINIATURE TRIANGULAR SCALES

Engraved with sharp black graduations. High impact resistant plastic, comes with a protective vinyl sheath.

40MTS	Alvin 4″ plastic scale Architects 3/32″ to 3″	**SALE $9.50**
41MTS	Alvin 4″ plastics scale Engineers 10 to 60	**SALE $9.50**
47MTS	Alvin 4″ plastic scale Metric 100 to 600 cm	**SALE $9.50**

6″ MINIATURE TRIANGULAR SCALE

Made from color anodized solid Aluminum. Printed graduations on ultra smooth, mark resistant surface. Silver color.

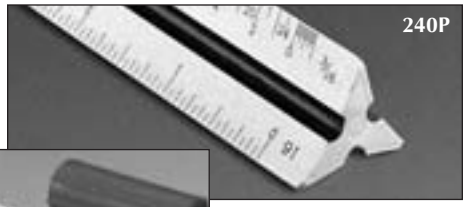
30101	Alvin 6″ Aluminum scale Architects 3/32″ to 3″	**SALE $4.95**
32101	Alvin 6″ Aluminum scale Engineers 10, 20, 30, 40, 50, 60	**SALE $4.95**
34101	Alvin 6″ Aluminum scale, Metric, 100 to 500 cm	**SALE $4.95**

30101

12″ PLASTIC TRIANGULAR SCALES

Colored furrows for quick scale selection, precision engraved.

240P	Alvin 12″ plastic scale Architects 3/32″ to 3″ to the foot	**SALE $10.75**
241P	Alvin 12″ plastic scale Engineers 10, 20, 30, 40, 50, 60	**SALE $10.75**
247P	Alvin 12″ plastic scale Metric 1:20,1:33,1:40,1:50,1:80,1:100	**SALE $10.75**
245B	Alvin 12″ bamboo scale Engineers 10, 20, 25, 30, 40, 50	**SALE $18.50**



Scale Guard and Holder

A convenient plastic clip that serves as a handle for lifting triangular scales. Available in asserted colors. Assists in the quick identification of one scale from another. Clips easily onto most standard-profile triangular scales.

669	Scale Guard/Holder	**SALE $0.59**

669

Alvin Lead Holder Set

Lead holder w/ all metal barrel, alum. knurled finger grip and lead pointer in cap. Positive feed lead advances 1/8″ when cap is depressed. Contains a vinyl eraser/lead pointer and a tube of three 2mm replacement leads (2H).

BVP3	Alvin Lead Holder Set	**SALE $8.69**

BVP3

Pentel Drafting Pencils

All feature a push-button instant point, knurled finger grip and 4mm stainless steel sleeve for template tracing.

			SALE
P205A	Black Barrel	(0.5mm)	**$5.70**
P205B	Burgundy Barrel	(0.5mm)	**$5.70**
P205D	Green Barrel	(0.5mm)	**$5.70**
P207C	Blue Barrel	(0.7mm)	**$5.70**
P209G	Yellow Barrel	(0.9mm)	**$5.70**
C5052H	High Polymer Super Leads 0.5mm (12 per Tube)		**$1.05 per tube**
C505HB	High Polymer Super Leads 0.5mm (12 per Tube)		**$1.05 per tube**
5072H	High Polymer Super Leads 0.7mm (12 per Tube)		**$1.05 per tube**
507HB	High Polymer Super Leads 0.7mm (12 per Tube)		**$1.05 per tube**
5092H	High Polymer Super Leads 0.9mm (12 per Tube)		**$1.05 per tube**
509HB	High Polymer Super Leads 0.9mm (12 per Tube)		**$1.05 per tube**
Z21	Eraser Refills 3-Tube pkg.		**$1.45 per tube**

P205D

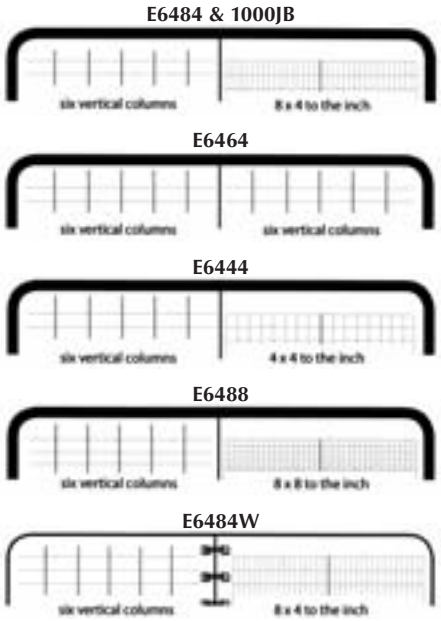
C505HB

Triangular Engineer Scale Tape

This is the new standard for scaling plans in the field or office. Once you have used a triangular scale tape for takeoffs and/or scaling in the field, you will never go back to a standard 12- or 4- inch rule. (10,20,30,40,50,60 scales)

900600	Triangular Scale Tape	**SALE $18.50**

900600



ELAN Field Books

Elan field books and filler paper are made of quality white ledger paper, 50% cotton content 24 lb. basis ruled light blue with red vertical lines. Extra stiff bright orange covers, 80 sheets (160 pages). Each book has 15 pages of curve tables and practical information.

			SALE
E6484	Field Book E64-8x4	7 1/4″ x 4 5/8″	**$6.45**
1000JB	One Job Field Book 16 pages	7 1/8″ x 4 5/8″	**$2.40**
E6464	Level Book E64-6x4	7 1/4″ x 4 5/8″	**$6.45**
E6444	Field Book E64-4x4	7 1/4″ x 4 5/8″	**$6.45**
E6488	Mining Transit Book E64-8x8	7 1/4″ x 4 5/8″	**$6.45**
E6484W	Student Spiral Bound Field Book E64-8x4W	7 1/4″ x 4 3/4″	**$3.50**

■ ***Standard Six Ring Binders***

E323	Binder with Polyethylene Cover	2″– 7 3/4″ x 5 5/8″	**$7.00**
E325	Binder with Cloth Cover	2″– 7 3/16″ x 4 5/8″	**$13.95**

■ ***Filler Paper for E323 Binder (50 shts. per pack)***

E6484F	Field Book Filler E64-8x4F	7 1/4″ x 4 5/8″	**$2.95**
E6464F	Level Book Filler E64-6x4F	7 1/4″ x 4 5/8″	**$2.95**
E6444F	Field Book Filler E64-4x4F	7 1/4″ x 4 5/8″	**$2.95**
E6488F	Mining Transit Book Filler E64-8x8F	7 1/4″ x 4 5/8″	**$2.95**

■ ***Filler Paper for E325 Binder (50 shts. per pack)***

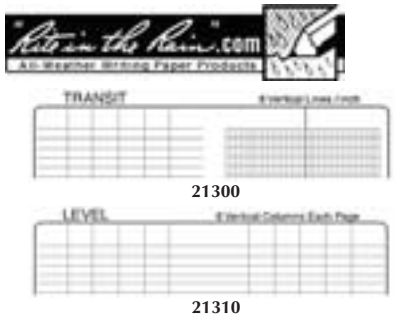
AD325F	Field Book Filler	8x4 grid	**$2.75**
AA325F	Level Book Filler	6 Vert. Columns	**$2.75**

SOKKIA Field Books

Sokkia Field Books feature bright yellow covers and use a paper that is acid free and archive safe. Ruled with light blue lines and red verical lines. 80 sheets (160 pages). Complete with curve and reduction tables.

			SALE
815200	Transit Field Book	7 1/4″ x 4 1/2″	**$8.65**
815255	Level Book	7 1/4″ x 4 1/2″	**$8.65**
815260	Field Book	7 1/4″ x 4 1/2″	**$8.65**

For other Sokkia Field Books not listed please call.



Rite in the Rain Field Books

The only bound book manufactured with true outdoor durable components. The cover, the paper, even the glue is designed to last! Books have 156 pages (78 sheets) including a title and contents page. Designed to work in rain and all types of field conditions. Polydura covers.

21300	Transit Book	7 1/4″ x 4 5/8″	SALE	**$16.25**
21310	Level Book	7 1/4″ x 4 5/8″	SALE	**$16.25**
37	Standard All Weather Clicker Pen, Black		SALE	**$ 7.95**

For any book, binder or filler paper not listed please call for information and we will try to meet your needs.

Small Shape Template 41T

With circles, hexagons, triangles, squares, arrows, route symbols, brackets and data block.

41T Small shape template (2.25″ x 5″ x .020) . . . . . **SALE $1.25**

Survey & Civil Engineer Template TD654

Contains standard symbols and users legends. Two scales 1″ = 20′ and 40′. Size: 4″ x 6 1/2″ x .030″

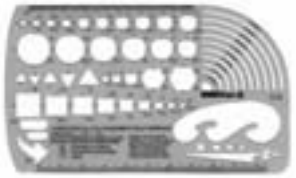
TD654 Survey & Civil Engineer Template . . . . . **SALE $6.95**

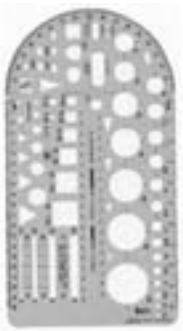
Survey Special Template 444T

Contains survey symbols, triangles, hexes, squares, arrows, and parallel lines. Scale 1″ = 20′ and 40′. Size 4 1/16″ x 7 5/8″

444T Survey Special Template . . . . . **SALE $4.95**

41T


TD654


444T

ALVIN

Double Right Angle Prism

Allows for easy determination of right angle points or perpendicular points between two targets. The protective metal cover rotates to expose the prisms. Comes w/case.

66911 Double Right Angle Prism . . . . . **SALE $81.00**

66911

740001

Plumb Bobs

Precision machined for perfect balance and lacquered for a lasting finish. Includes a hardened steel point with ASA thread. Steel cap allows storage for an extra point.

11550	12 oz. plumb bob	**SALE $13.35**
11551	14 oz. plumb bob	**SALE $14.25**
11552	16 oz. plumb bob	**SALE $14.95**
11553	18 oz. plumb bob	**SALE $15.95**
11554	24 oz. plumb bob	**SALE $20.35**
11554A	32 oz. plumb bob	**SALE $26.75**
11555A	Spare cap	**SALE $2.95**
6000002	Spare point	**SALE $1.10**
11556	Sheath for 12 oz.	**SALE $5.45**
11557	Sheath for 14-18 oz. . .	**SALE $5.95**
11558	Sheath for 24-32 oz. . .	**SALE $7.75**

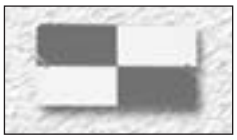
11556

740012 & 740015

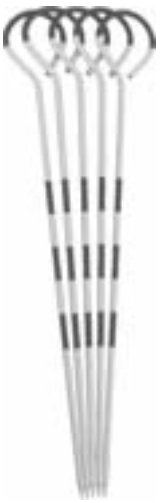
Gammon Reels

The perfect addition to your plumb bob. Slip the reel into your palm and draw the plumb bob to the desired position and stop with finger pressure. A steel clock spring zips the string back into the case.

740001	6′ Gammon Reel Red/White Face	**SALE $8.95**
740012	12′ Gammon Reel Hi Vis Orange/White Face	**SALE $10.95**
740015	12′ Gammon Reel Hi Vis Orange/Black Face	**SALE $11.95**
740020	24 yards spare cord	**SALE $5.25**



11431 & 90002



04501

Plumb Bob Target

Plastic rectangular target, red and white, notched for plumb bob line insertion. 4″x 2″

11431	Plumb bob target	**SALE $1.50**
900002	Sticky Paper Target 25 per pkg.Red/White color . . .	**SALE $5.95 per pkg.**

11735

Plumb Bob Cord

Braided linen cord comes in 25 yd. spools

11733	White plumb bob cord	**SALE $4.50**
11735	Orange plumb bob cord	**SALE $5.25**

11740

"Chicago" Marking Pins

14″ Pins made of 3/8″ spring steel. Hard enough for concrete and metal scribing. Red and white in color, alternating each inch and 11 pins per box.

04501	Marking Pins	**SALE $19.95**
04506	Leather quiver for marking pins	**SALE $19.95**

11743

Tool Pouches

11740	Surveyors 7 pocket pouch	**SALE $25.00**
11741	Surveyors 6 pocket pouch	**SALE $34.00**
11743	Heavy duty web belt	**SALE $6.00**

11741

SECO Surveyors Pouch With Belt

This Tool Pouch features a 9 x 2 x 11 inch large pocket with two vent grommets. The pocket is lined with two layers of 1000D Cordura. A smaller pocket on the front is made of durable Rhinotek and is ideal for mini prism storage. Features include a hammer loop and marker storage. The webbed belt will fit up to a 50″ waist.

804630 Surveyors Pouch w/Web Belt . . . . . **SALE $39.95**

804630

Brunton Compasses/Clinometers/Binoculars

Nomad V2 Pro Digital Compass/Altimeter

The ultimate weathercenter/digital navigator. Offers weather information like barometric pressure and altitude. Add compass bearings, direction readings and declination adjustments to the mix and you've got a powerful tool no larger than a traditional compass. Back lit display, temperature in C or F degrees, 1 degree resolution and more.

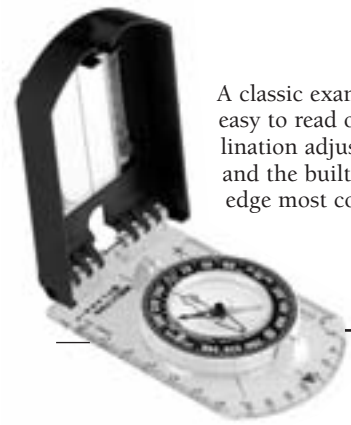
4766 Nomad V2 Pro Digital Compass/Weathercenter… **SALE $104.95**

Brunton Mirrored Compasses

The original model 15 mirrored map compass. Declination adjustable, wears luminous points, 2 degree graduations and lanyard with declination tool.

1505 15TDCL
Compass 0-360 Degrees…
SALE $49.50

1512 15TDCLQ
Compass 0-90 Degrees… Quadrant Style
SALE $49.50

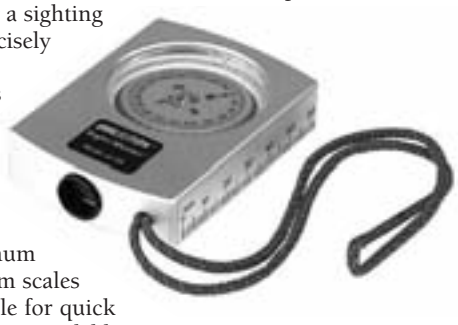


A classic example of a trusty compass. Has an easy to read optic green baseplate. Tool free declination adjustment makes for less confusion and the built in thermometer gives you knowledge most compasses do not.

8040G Compass 0-360 degrees
SALE $29.00

Brunton SightMaster Compasses

SightMaster compasses offer the convenience of two compasses in one as a hand held unit or a sighting model. A 10x magnified, precisely ground sighting lens with a diopter sight allows compass estimations to 0.25 degrees. Dial shows both forward and reciprocal headings, incremented by 0-360 degrees or quadrants. Comes with a rugged aluminum housing with an inch and mm scales and a neck lanyard. Sine Table for quick reference. Optional leather case available.



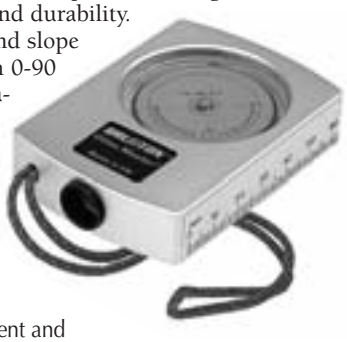
1550 SM360LA Compass 0-360 degrees… **SALE $103.95**

1555 SM360QLA Compass 0-90 degrees… **SALE $103.95**
Quadrant Style

3015 Leather case for SightMaster Compass/Clinometer…
SALE $18.95

Brunton ClinoMaster Clinometer

Clinomaster heightmeter/clinometers represent the highest quality in precision, sensitivity and durability. Can measure the height, angle and slope of almost anything readable from 0-90 degrees and 0-150%, with estimations to 0.25 degrees. A rugged, aluminum housing has inch and mm scales. It also features a tangent table for quick height measurement and useful distance conversions. Optional leather case available.



1600 **CM360AL** Clinometer Percent and Degrees… **SALE $117.50**

BRUNTON

Brunton ECHO Binocular Series

A great Binocular at an excellent price!!

ECHO1042

Specifications –	Full Size	Mid Size	Wide Angle
Power	10x	10x	8x
Objective Diameter	42mm	32mm	32mm
Weight	23oz.	20oz.	20oz.
Close Focus Dist.	8′	6′	4′
Exit Pupil	4.3/5.3mm	3.2/4mm	4.1mm
Eye Relief	16/19.5mm	15/16mm	11.4mm
Field of View 1000yds.	315/341 ft.	315 ft.	492 ft.

The ECHO Series features – Bak-4 prism glass, Emerald Fire™ full multi-coating, Twist-up eye relief system, Waterproof/Fogproof, Nitrogen filled, Polymer frame w/ ergonomic body armor, 5 Year warranty and tripod/monopod compatible.

ECHO1042 10x42 Echo Full Size Binocular. . . . . **SALE $219.50**
ECHO1032 10x32 Echo Mid Size Binocular. . . . . **SALE $195.00**
ECHO832 8x32 Echo Wide Angle Binocular . . . **SALE $150.00**

Compasses, Clinometers, Hand Levels

Suunto KB-14 Precision Compasses

Our most Popular Models!! Heavy duty impact and corrosion resistant aluminum housings. Needle cards pivot on a polished sapphire bearing and are immersed in a clear, low viscosity liquid damping for smooth, vibration free movement. Azimuth models graduated to 1/2 degree, estimate to 1/4 degree. Quadrant models are graduated in 1 degree units. Balanced for use in Northern hemisphere with cotangent table printed on back of compass. Comes with Black nylon case and lanyard. Made in Finland. Size 3″ x 2″ x 5/8″.

337010 Azimuth (0-360°) w/Reciprocal scale . . **SALE $123.95**
337015 Quadrant (0-90-0°) . . . . . **SALE $123.95**

Suunto KB-20 Compass

Lightweight, weatherproof ABS plastic housing that provides an economical alternative to the KB-14 models. Graduated 0-360 degrees in 1 degree intervals with 1/2 degree accuracy. Features a black azimuth scale division and reverse scale. Comes with lanyard , but no case.

337021 Azimuth (0-360°). . . . . **SALE $62.95**

Suunto Clinometers

Used world wide by surveyors, engineers, geologists and others who have the need to measure heights, vertical angles and slopes. Heavy duty impact and corrosion resistant aluminum housing. Damping fluid eliminates scale vibration and enables smooth, accurate and fast readings. Percent and degree scales. +/-150%, +/-90 degrees. Comes with lanyard and Black nylon carry case.

343830 Percent and Degree Model . . **SALE $157.95**

Compass Cases and Covers

337004 Cordura® Nylon case – fits all compasses (2 oz.). . . . **$10.15**

337011 Leather case – only for KB14 compasses and Suunto Clinometer (2 oz.) **$12.95**

David White Hand Level Sight Mark 2

2 1/2x Sight Mark 2 Hand Level with stadia and leather case.

1755021 Sight Mark 2 Hand Level
List Price $85.00
SALE $77.50

956219 SECO Model 4200 6″ 2x

Extends to 7″. Enclosed vial. OUR BEST SELLING HAND LEVEL. Brass body construction. Comes with orange cordura padded case with belt loop. ***SALE $73.95***

430000 SECO Style Hand Level 5″ 2X

Extends to 7″. Enclosed vial. Heavy duty. ***SALE $76.95***

804000 SOKKIA Bulz-I 5″ 1x

Extends to 7″. Comes with padded belt loop case. ***SALE $68.95***

804005 SOKKIA Bulz-I

Same as 804000, but with stadia lines – ratio 1:20 ***SALE $68.95***

804350 SOKKIA 6″ 1x

Internal mounted bubble. Comes with padded belt loop case. Fixed eye-piece and hexagonal objective cap to prevent rolling. ***SALE $56.25***

804370 SOKKIA 6″ 2x

Extends to 7 3/4″. Comes with padded belt loop case. Fixed eyepiece and hexagonal objective cap to prevent rolling. ***SALE $95.00***

804520 SOKKIA 5 1/4″ 1x

With fixed eyepiece. Square style. Comes with case. ***SALE $35.00***

804260 SOKKIA 7 1/2″ 5x

With eyepiece slide for easy focusing. Stadia lines with 1:100 ratio. Comes with padded belt-loop case. ***SALE $121.95***

804110 SOKKIA 5 5/8″ 2x

Extends to 6 3/4″. Internal mounted bubble. Comes with padded belt-loop case. Stadia lines. ***SALE $79.95***

TRIMBLE SPATIAL IMAGING:

BRINGING GEOSPATIAL INFORMATION DOWN TO EARTH

The last decade has seen tremendous growth in the geospatial industry. Geospatial imaging applications now play a key role in mainstream business and consumer applications. And those applications demand expanded functionality including imaging and measurement captured from the ground.

While geospatial imaging captures data from overhead using airborne or satellite sensors, spatial imaging provides views and positioning measurements captured at eye-level. Spatial imaging extends the functionality of geospatial information and opens the door to powerful new applications and opportunities.

Using Advanced positioning and imaging technologies, Trimble Spatial Imaging solutions deliver highly accurate measurements for geospatial markets:

- Transportation and Civil Engineering
- Natural Resources Management
- Government and Military
- Location Based Services
- Business Analytics

Trimble Spatial Imaging comprises three stages; data capture, extraction and analysis.

CAPTURE – Using the Trimble Spatial Imaging sensors, the Trimble GX 3D Scanner and VX Spatial Station, use 3D scanning and traditional surveying techniques to capture accurate positioning data.

EXTRACT – Trimble RealWorks Survey software provides the tools needed to identify the features captured and understand how these features relate in the scene.

ANALYZE – The recipients of visual data produced via a Trimble Spatial imaging solution can easily see what the data represents. Information can be shared directly or exported to CAD software for extensive analysis and integration into design specifications.

The Trimble® VX™ Spatial Station integrates state-of-the-art optical, 3D scanning, and digital imaging technology to capture the shape, detail and precise coordinates of any job. The resulting 2D and 3D enhanced deliverables will satisfy colleagues and clients alike. For geospatial industry users, the Trimble VX captures survey-precise ground-level data that fuses with images to produce a complete 3D deliverable. For surveyors the Trimble VX is an easy entry into Spatial Imaging.

The Trimble RealWorks Survey office software takes advantage of point and imaging information captured by the Trimble VX. Extract and analyze areas of interest to produce communicative 3D results.

The Trimble VX will radically enhance the way you measure

The Trimble VX Spatial Station introduced Trimble VISION™ and Spatial Imaging to the surveying world. With sophisticated features and MagDrive™ servo technology, it catapults field productivity and office automation to previously unattainable levels.

Reduce Rework and Duplication with 3D Data Overlay

On the Trimble controller, Trimble VISION lets you display collected 3D data over the digitally streamed image of the work area. This capability ensures all required points are measured… and only once…so rework and duplication are minimized. With a camera built-in, you can capture an image of the work area so that the 3D data overlay can also be used in the office.

3D Scanning

For applications such as 3D modeling and volume calculation, advanced versions of the Trimble VX include a 3D scanning function for collecting a large number of points quickly. Polygon framing selection ensures you capture only the points needed.

Broaden business opportunities in new applications

For surveyors, the Trimble VX Spatial Station creates new market opportunities in Transportation and Civil Engineering; Utilities & Communications; Natural Resources Management; and Government and Military. And its scalable configurations enable businesses to enter these opportunities at the level most suitable—with options to grow.

Key Features

- Trimble VISION™ technology for digital image streaming and capture
- Rich data for enhanced 2D and 3D deliverables
- Trimble eProtect™ security uses a 4-digit password to prevent access by unauthorized users

The Trimble® GX 3D Scanner for Spatial Imaging captures millions of coordinates very quickly. Record sub-centimeter, photo-realistic detail of every job to produce enhanced deliverables for colleagues and clients. The Trimble GX is ideal for users in surveying, the geospatial industry, and for applications such as:

- monitoring the evolution of a work site
- as-built diagnostics
- historic restorations
- crime scene forensics

RealWorks software for 3D scanning/geospatial information extraction and analysis. Take advantage of the rich, point-cloud data captured by the Trimble GX with the Trimble RealWorks Survey office software. Extract and analyze areas of interest in the data in remarkable 3D.

Capture All the Points You Need, Not Just All the Points

With the Trimble GX 3D Scanner, collect millions of points for photo-realistic resolution, or just the number of points you need. Trimble® SureScan™ patented technology will maintain the equal user-defined density of points even for target objects such as roads and tunnels, where distances to points vary. You won't capture measurements you don't need. SureScan makes both data collection and data processing faster.

An Easy-to-Follow Workflow

The Trimble GX is the first 3D laser scanner to follow the surveying workflow. It increases efficiency in traditional surveying, and creates opportunities in Spatial Imaging for surveyors.

The Trimble GX 3D Scanner: Part of a Bigger Picture

The Trimble GX 3D Scanner is just one advanced component of a superior surveying and Spatial Imaging solution that lets you capture, extract, and analyze spatial data. Comprising the Trimble GX itself, the field-proven Trimble® TSC2® controller, and the powerful RealWorks Survey™ office software, the complete system enables surveyors and geospatial professionals to generate compelling deliverables for clients.

Key Features

- A total Spatial Imaging solution with an easy, seamless workflow
- Trimble SureScan patented technology for fast, smart scanning
- Real-time true-color acquisition provides realism and accuracy of scanned targets
- Remote control with Trimble TSC2 for efficient integration of true surveying practices

For more information on these products call your nearest Keystone office and we will assist you.

Trimble

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Keystone Precision Instruments

4 locations to better serve and meet your needs

Home Office:
1670 East Race Street
Allentown, PA 18109
PH: 800-833-9250
FX: 610-266-3240

Maryland Office:
2140 Priest Bridge Ct.
Suite 1 & 26
Crofton, MD 21114
PH: 800-331-8451
FX: 410-451-7073

New England Office:
455 Fortune Boulevard
Unit 3
Milford, MA 01757
PH: 888-443-9840
FX: 508-478-4200

New York Office:
7020 Fly Road
East Syracuse, NY 13057
PH: 866-205-7488
FX: 315-414-0781

Email us at sales@keypre.com

Burton Tailgating Kit

Convenient Cooking Kit for work, camping, fishing, tailgating, emergencies and more.

Kit Includes:
(1) Mr. Max Table Top Burner • (1) 10″ Skillet • (1) 2 Qt. Saucepan
3 piece set of cooking utensils • (3) Butane Fuel cartridges #1215
Durable nylon carry case

9401 Portable Tailgate Cooking Kit LIST $104.90 **SALE $64.90**
1215 Butane Fuel cartridge (Notch Collar Valve) 8 oz LIST $3.40 **SALE $2.25**

Brush Thinner and Sheath

Carbon steel blade with highly tactile handle. Total length is 19.75″, blade is 9.50″

2241061 Brush Thinner and Sheath . . . . . **SALE $39.95**

Gator® Machete and Sheath

The Gator® Machete wields a 15″ fine edge blade on one side, a 15″ high performance saw blade on the other and the proprietary Gator grip for ergonomic control while using either blade. Comes with riveted nylon sheath for safe transport.

2241576 15″ Gator Machete and Sheath. . . . **SALE $17.50**

9401

1215

2241061

2241576

GERBER®

Back by Popular Demand –

The SECO SurLoc Prism Pole →

Constructed of sturdy aluminum tubing and a two stage adjustable top threaded tip. Finished with electrostatic powder paint coating on the outer pole and permanent silk screened dual graduations on the inner pole. Available in 3 sizes 8.5′, 12′ and 15′.

580010 Extends to 8.5′ and collapses to 4.97′ **SALE $129.95**
580020 Extends to 12′ and collapses to 5.18′ **SALE $159.95**
580030 Extends to 15′ and collapses to 5.41′ **SALE $199.95**

The SECO Quick Lever™ Prism Pole →

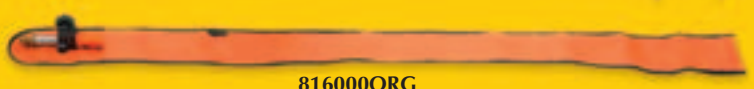
These telescoping poles with the new SECO QLV™ locking mechanism are easily the most user-friendly prism poles on the market. The 'positive locking' mechanism is fast and simple to use. It's also easy to service —simple screws adjust the bubble and lever tension.

580110 8.5-ft Quick Lever Lock/Dual Grad . . **SALE $130.50**
580120 12-ft Quick Lever Lock/Dual Grad . . . **SALE $161.50**

Universal Pole Bag

Protect your prism pole from dirt and moisture. This bag measures 58 x 6 inches (147.32 x 15.24 cm).

816000ORG Univ. Pole Bag . . . . LIST $36.95 **SALE $28.50**



816000ORG

KEYSTONE PRECISION INSTRUMENTS
1670 East Race Street
Allentown, Pa. 18109

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